

DOCUMENT RESUME

ED 076 417

SE 016 061

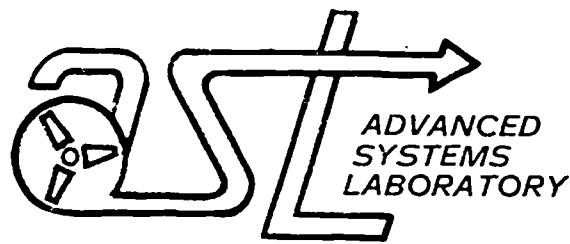
TITLE Automated Instructional Management Systems (AIMS)
Version III, Operator's Guide.
INSTITUTION New York Inst. of Tech., Old Westbury.
SPONS AGENCY Office of Education (DHEW), Washington, D.C. Bureau
of Research.
BUREAU NO BR-8-0157
PUB DATE [73]
CONTRACT OEC-0-8-080157-3691(010)
NOTE 127p.
EDRS PRICE MF-\$0.65 HC-\$6.58
DESCRIPTORS *Computer Assisted Instruction; *Computer Programs;
*Computer Science; Instruction; *Instructional Media;
Instructional Technology; Management Information
Systems; Mathematics Education; Programed
Materials
IDENTIFIERS *Automated Instructional Management System

ABSTRACT

This manual gives the instructions necessary to understand and operate the Automated Instructional Management System (AIMS), utilizing IBM System 360, Model 30/Release 20 Disk Operating System, and the OpScan 100 System Reader and Tape Unit. It covers the AIMS III system initialization, system and operational input, requirements, master response file initialization, and report generation. Appendices include examples of job control statements, error messages, control decks, card and form layouts, post run procedure, and output listings and report formats. For other documents in this series, see SE 016 059 through SE 016 064. (DT)

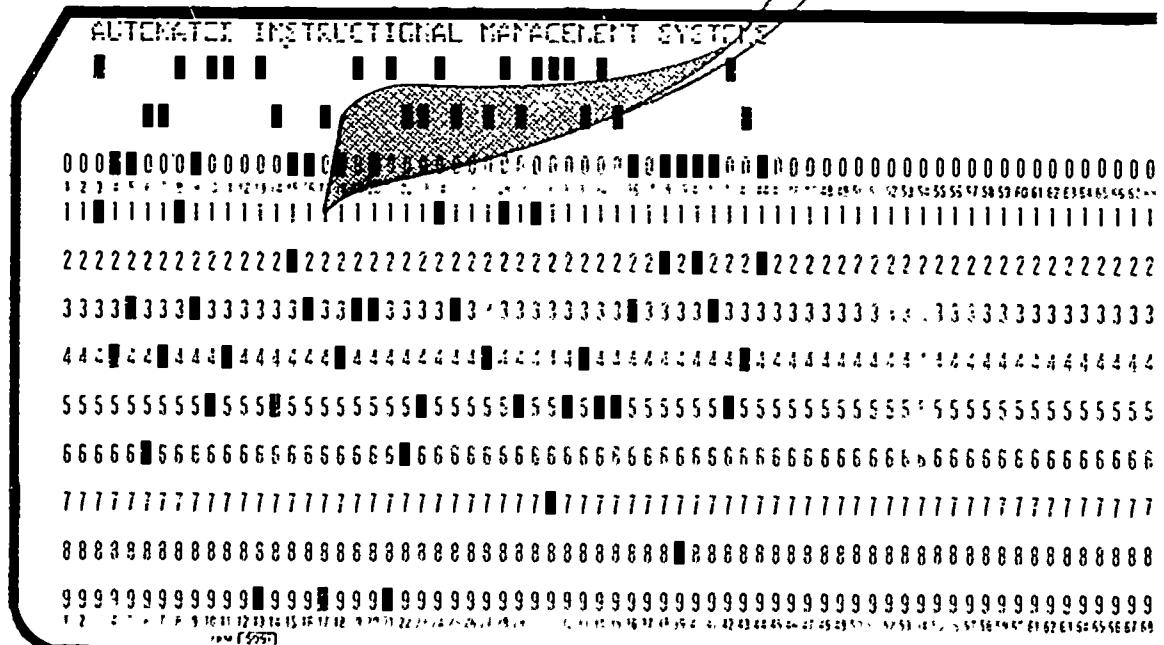
ED 076417

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
OFFICE OF EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM
THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS
STATED DO NOT NECESSARILY REPRESENT OFFICIAL POSITION OR POLICY



automated instructional management systems

AIMS VERSION III OPERATOR'S GUIDE



NEW YORK INSTITUTE OF TECHNOLOGY
OLD WESTBURY, NEW YORK

SE 016 061

ED 076417

AUTOMATED INSTRUCTIONAL MANAGEMENT SYSTEM

OPERATOR'S GUIDE

Prepared by the Staff of
The Advanced Systems Laboratory

Ernest N. O'Dierno, Director

FOREWORD

- The Automated Instructional Management System (AIMS) was designed to monitor, score, and evaluate individual students, groups of students, and curricular content in a course environment designated for educational management.
- The AIMS System was designed around IBM System/360, and Version III was generated with Model 30/Release 20 IBM Disk Operating System (DOS).
- This Automated Instructional Management System has been developed with U. S. Office of Education funds under Research Contract No. OEC-0-8-080157-3691(010).

ADVANCED SYSTEMS LABORATORY
New York Institute of Technology
Old Westbury, L.I., New York

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

TABLE OF CONTENTS

	<u>Page</u>
SECTION I General Information	1
SECTION II AIMS III System Initialization	5
Clear Disk Function	8
System Initialization	11
SECTION III AIMS III System Input	15
Student Background and Enrollment	17
Student Drop	20
Student Roster-Background Listing	22
Header File	24
Header Check	26
Header Store	28
Header File Updating	30
Header File Updating - Header Check/ Header Store	32
Header File Listing	34
Question (MBO) File	35
Question Listing	37
Directory File Listing	38
SECTION IV AIMS III Operational Input	39
Student Response Port-a-Punch Card Input	43
Student Response Tape-SORT/MERGE	46
Student Response OpScan Input (preprocessing)	47
Optical Scanner Response Tape Conversion	50
Converted Student Response Tape Sort	53
SECTION V AIMS III Master Response File Creation	55
Master Response File Initialization	59
Master Response File Updating	60
SECTION VI AIMS III Report Generator	61
Report Generation	65

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

TABLE OF CONTENTS (continued)

<u>Appendices</u>		<u>Page</u>
A	Job Control Statements	69
B	Tables	89
C	Error Messages	95
D	Control Decks	101
E	Card and Form Layouts	111
F	Post Run Procedure	121
G	Output Listings and Report Formats	125

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A380-670-1

SECTION 1

GENERAL INFORMATION

I. INTRODUCTION

- A. SCOPE: This document sets forth the instructions necessary to understand and operate the Automated Instructional Management System (AIMS-VERSION III), utilizing IBM System 360, Model 30/Release 20 Disk Operating System, and the OpScan 100 System Reader and Tape Unit.
- B. APPLICATION: This document applies to the following only:
 1. AIMS III System Initialization
 2. AIMS III Input Requirements
 - a. System
 - b. Operational
 3. AIMS III Master Response File Initialization
 4. Report Generation
- C. ABBREVIATIONS: The following abbreviations used in this manual are consistent with AIMS System standards:
 - AIMS - Automated Instructional Management System
 - CDP - Clear Disk Program
 - CSN - Course Student Number
 - CTIO - Card-to-Tape INPUT/OUTPUT
 - DOSRES - DOS Resident Pack
 - EO - Enabling Objective
 - JCS - Job Control Statement
 - MBO - Measurable Behavioral Objective
 - TO - Terminal Objective
 - TPTP - Tape-to-Tape

II. ASSOCIATED DOCUMENTS

- A. APPLICABLE DOCUMENTS: The following, although not forming a part of this manual, may be used in conjunction with this document:

A380-670-4

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 1

- A350 Users Manual...Automated Instructional Management System
- A360 System Manual...Automated Instructional Management System
- A370 Program Logic Manual...Automated Instructional Management System

B. REFERENCE DOCUMENTS: The following, although not forming a part of this manual, may be used as reference:

- OpScan 100 DM...Operator's Manual
- OpScan 100 DMTape Unit...Operator's Manual

C. FORMS USED:

- Port-a-Punch Cards
- OpScan Forms
- Standard IBM 80 Column Cards

D. APPENDICES

- A Job Control Statements
- B Tables
- C Error Messages
- D Control Decks
- E Card and Form Layouts
- F Post Run Procedure
- G Output Listings and Report Formats

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-5

SECTION 2

AIMS III SYSTEM INITIALIZATION

AIMS III SYSTEM INITIALIZATION

A. GENERATION INFORMATION

1. Certain internal files must be created for each course.
2. All files are not required for each type of operation. Some are presently inactive, but all are included in each deck to prevent omissions.

B. CRITERIA

1. Each course run will have a unique control (JCS) deck, as the course names cannot be identical.
2. The Job Control Statement decks for the different courses being run, must not be mixed during processing. The JCS deck specified for a particular course, must be used for that course, to avoid output of reports utilizing incorrect files. Appendix A contains a listing of all JCS Decks presently being used, as well as an illustration of each deck setup.

STEP I

PROGRAM ID: CLEAR DISK FUNCTION

ABSTRACT: This program takes the appropriate JCS decks, as specified by the Systems Programmer, and initializes the following Direct Access files using the appropriate Clear Disk Utility Deck for each file.

- System File
- Text File
- Directory File
- Lesson Scratch File
- Student Score File
- Student Background and Enrollment File
- Header File

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - Clear Disk Utility Deck 2311 Disk Pack on 191.

RUN: Program reads the cards from the card reader and clears the Disk Pack. This function is performed for each file.

ERRORS: The program handles all operating errors and requires no operator intervention.

CLEAR DISK
UTILITY DECKS: Lesson Scratch File

```
// JOB 210012
// DLBL VOV'T,'LESSON SCRATCH FILE-AIMS',70/365,30
// EXTENT SYS002,000003,1,0,10,99
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
*/&
```

STEP I (continued)Header File

```
// JOB 210012
// DLBL VOVT,'HEADER FILE-AIMS',70/365,50
// EXTENT SYS003,000003,1,0,690,59
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/&
```

Directory File

```
// JOB 210012
// DLBL VOVT,'DIRECTORY FILE-AIMS',70/365,30
// EXTENT SYS004,000003,1,0,750,49
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/&
```

Question File

```
// JOB 210012
// DLBL VOVT,'QUESTION FILE-AIMS',70/365,30
// EXTENT SYS005,000003,1,0,800,249
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/&
```

Text File

```
// JCB 210012
// DLBL VOVT,'TEXT FILE-AIMS',70/365,30
// EXTENT SYS008,000003,1,0,1050,19
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/&
```

STEP I (continued)

System File

```
// JOB 210012
// DLBL VOVT,'SYSTEM FILE-AIMS',70/365,30
// EXTENT SYS009,000003,1,1070,9
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/*
```

Student Background File

```
// JOB 210012
// DLBL VOVT,'STUDENT BACKGROUND FILE-AIMS',70/365,30
// EXTENT SYS006,000003,1,0,110,9
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/*
```

Student Score File

```
// JOB 210012
// DLBL VOVT,'STUDENT SCORE FILE-AIMS',70/365,30
// EXTENT SYS007,000003,1,0,120,569
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/*
```

A580-670-12

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 2

STEP II

PROGRAM ID: AIMS III SYSTEM INITIALIZATION

ABSTRACT: This program reads the appropriate JCS deck (Appendix A) as specified by the Systems Programmer and initializes the files for a particular course.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - Appropriate JCS Deck, AIMSMAIN (Navy), or AHEWMAIN (HEW).

RUN: Program reads the cards from the card reader and initializes the appropriate files for a specific course. This function is performed for each course to be run.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-15

SECTION 3

AIMS III SYSTEM INPUT

AIMS III SYSTEM INPUT

GENERAL INFORMATION

1. All system input functions shall be performed in the order of priority; but the order of performance, within each priority level, is immaterial. The relevant input, its sources and performance priorities, is listed in Appendix D - Table 1.
2. The peripheral unit configurations are shown in Appendix D - Table 2.

STEP I

PROGRAM ID: STUDENT BACKGROUND AND ENROLLMENT

ABSTRACT: This program takes punched card input (see Card Layout 1), and using the AIMSMAIN Control Deck, loads initial Student Enrollment and Background data onto the AIMS files. It also adds new student records to the files, and produces a listing of all information contained on the file. Input cards may also be read to tape for tape input.

INPUT CRITERIA: Student Enrollment data may be loaded onto the files up to a total of 185 students for a specific course. If student input is greater than 185, an error message will be printed (see Appendix C - Error Messages), and processing will stop.

In multi-group processing, if more than one group of students is being processed through the same identical course and sharing some of the disk files, each course requires a unique Student Background and System file, with unique file names. The JCS control decks must not be mixed up during processing.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck, Job Control Card and Student Background data cards.

INITIALIZED DISK PACK on 191.

RUN: Program reads the cards from the card reader, assigns course student numbers by order of input, computes capability indices, and assigns the date of each student input to the student records. A listing is printed containing all of the information on file, and the date of each student's input to the file.

A580-670-18

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 3

STEP I (continued)

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

CARD INPUT
PROGRAM
CONTROL: Initial student data card input, or student additions to the file, accepts the following job control card in the AIMS-MAIN Control Deck (Deck 1).

1

((STUDENT-INPUT

TAPE INPUT
PROGRAM
CONTROL: Initial student data input, or student additions to the file accepts the following job control card in Deck 1 for tape input:

1

24

((STUDENT-INPUT

This format requires that the system find a tape with the background information (80 byte image records).

DATA DECK: Following either job control card is a data deck, consisting of Student Background and Enrollment Cards.

STEP I (continued)

SAMPLE DECK

SETUP:

AIMSMAIN CONTROL DECK FOR Student
Background and Enrollment File.

```
// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
↓
// EXEC AIMSMAIN
((STUDENT-INPUT
BACKGROUND DATA DECK
/*
/&
```

A580-670-20

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 3

STEP II

PROGRAM ID: STUDENT DROP

ABSTRACT: This program takes punched card input (see Card Layout 2), and using the AIMSMAIN Control Deck, updates the AIMS III Student Background and Enrollment File. Students that are dropped from the file are flagged, but not actually removed from the file. The course student number is not reassigned, but all future processing will ignore the student's record. Input cards may also be read to tape for tape input.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck, Job Control Card and Student Drop Data Cards.

INITIALIZED DISK PACK on 191.

RUN: Program reads the cards from the card reader, and updates the files by flagging each student to be dropped.

ERRORS: The program handles all operating errors and requires no operator intervention. For processing errors, refer to Appendix C - Error Messages.

CARD INPUT
PROGRAM
CONTROL:

The following is the job control card used in Deck 1, for Students to be dropped:

STEP II (continued)

TAPE INPUT
PROGRAM
CONTROL:

For Student Drop Tape input, the following job control card is accepted:

1 24

((STUDENT-DROP

DATA DECK:

Following either job control card is a data deck consisting of a drop card for each student to be dropped from the file.

SAMPLE DECK
SETUP:

AIMSMAIN CONTROL DECK FOR STUDENT DROP

```
// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
↓
// EXEC AIMSMAIN
((STUDENT-DROP
STUDENT DROP DATA DECK
/*
/*
```

A580-670-22

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 3

STEP. III

PROGRAM ID: STUDENT ROSTER-BACKGROUND LISTING

ABSTRACT: This program takes punched card input and using the AIMSMAIN Control Deck, prints one line of information for each student (see OUTPUT). At the end of the listing, a message is printed informing the user as to the number of students on the file, and how many are remaining in the course.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck and Job Control card.

INITIALIZED DISK PACK loaded on 191.

RUN: Program reads the cards from the card reader and prints out the Student Roster Background listing.

ERRORS: The program handles all operating errors and requires no operator intervention.
For processing errors refer to APPENDIX C - Error Messages.

PROGRAM CONTROL: The following job control card is accepted in Deck 1 to run the Student Roster - Background Listing.

STEP III (continued)

SAMPLE DECK

SETUP:

AIMSMAIN CONTROL DECK FOR STUDENT
ROSTER-BACKGROUND FILE

```
// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
↓
// EXEC AIMSMAIN
((STUDENT-ROSTER
/*
/
&
```

OUTPUT:

One line of information is printed for
each student. Each line contains the
following:

Student Name
Social Security or ID Number
Course Student Number
Capability Index
SAT - Math
SAT - Verbal
Average
Rank
Elementary Algebra
Intermediate Algebra
Geometry
Trigonometry
Calculus
Physics
I.Q.
Reading
Comments
Course Number
Drop Flag
Date Entered
Date Dropped

At the end of the listing, a message is
printed stating the number of students
on file, and how many are remaining in
the course.

STEP IV

PROGRAM ID: HEADER FILE

ABSTRACT: This program takes Course Header Input cards (Card Layout 3), which are standard Port-a-Punch cards, and using the Card-to-Tape Utility Deck (CTIO) produces a tape record of the Header Card Input containing question and answer matrices.

INPUT CRITERIA: The Header File must be prepared prior to performing any further functions, and as much in advance as possible.

When running the Header Port-a-Punch cards through the CTIO Program, a check of the output listing is required to insure that no cards have been rejected. Once Header records are placed on file for a volume (lesson), no more may be added for that volume. Additions may only be made for succeeding volumes.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - CTIO Control Deck, Job Control Card, and Header Data Cards.

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

SCRATCH TAPE MOUNTED on 181.

RUN: Program reads the cards to tape from the card reader and produces a temporary tape record of the Header File.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A380-670-25
SECTION 3

STEP IV (continued)

PROGRAM
CONTROL:

The following job control card is accepted in Deck 2 to read Header Cards to tape.

1 9

((CARDS HEADER

DATA DECK:

Following the job control card is a data deck consisting of Header Cards.

SAMPLE DECK
SETUP:

CTIO CONTROL DECK FOR HEADER FILE

// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS



// EXEC CTIOMAIN
((CARDS HEADER
((HEADER DATA DECK
/*
/g

A380-670-26

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 5

STEP V

PROGRAM ID: HEADER CHECK

ABSTRACT: This program takes punched card input, and using the AIMSMAIN Control Deck, causes the system to list the permanent Headers. If the Header input passes the error checking procedures, it is placed in a temporary file. If not, processing error messages are printed.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck, and Job Control Card.

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

TEMPORARY HEADER FILE TAPE FROM CTIO RUN mounted on 182.

SCRATCH TAPE mounted on 181.

RUN: Program reads the cards from the card reader checking that:

- The lesson number of the first temporary file is greater than the last number in the permanent file, and ascends sequentially by one, through the last lesson number of the temporary file, which should be less than forty.
- There are ten or less headers per lesson.
- Each header is unique according to lesson number, segment number, and type.

STEP V (continued)

The system will list the permanent headers, and if the error checking conditions are met, the following message is printed:

"A-OK"

PROCESSING
ERRORS:

If the error checking conditions are not met, the following message is printed:

"THE CONDITION IS STOP"

Following receipt of this message, the run is terminated, the job cancelled, and the cognizant programmer notified.

For other processing errors refer to Appendix C - Error Messages.

OPERATING
ERRORS:

The program handles all operating errors and requires no operator intervention.

PROGRAM
CONTROL:

The following job control card is accepted in Deck 1 to run the Header Check routine:

SAMPLE DECK
SETUP:

1
((HEADER-CHECK
AIMSMAIN CONTROL DECK FOR HEADER CHECK

// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
// EXEC AIMSMAIN
((HEADER-CHECK
/*
/&

A580-670-28

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 5

STEP VI

PROGRAM ID: HEADER STORE

ABSTRACT: This program takes punched card input, and using the AIMSMAIN Control Deck, stores the temporary Header file in a permanent file. The run will be terminated and an error message will be received, if the error checking conditions have not been met, and an "A-OK" message received.

INPUT

CRITERIA: This function must be performed for the Headers in a particular lesson before any further operations can be performed.

All the Headers for a course may be stored at one time, or, they may be done for sections at a time.

SETUP:

PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck, and Job Control card.

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

TEMPORARY HEADER FILE TAPE FROM CTIO RUN mounted on 182.

SCRATCH TAPE mounted on 181.

RUN:

Program reads the cards from the card reader and instructs the system to take the Headers in the temporary file and place them in the permanent file.

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-29
SECTION 3

STEP VI (continued)

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

PROGRAM CONTROL: The program accepts the following job control card in Deck 1:

1
((HEADER-STORE

AIMSMAIN CONTROL DECK FOR HEADER STORE

// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓
// EXEC AIMSMAIN
((HEADER-STORE
/*
/¶

A380-670-30

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 5

STEP VII

PROGRAM ID: HEADER FILE UPDATING

ABSTRACT: This program takes punched standard Port-a-Punch Course Header input cards (Card Layout 3), containing changes in answer matrices, and using the Card-to-Tape Utility Deck, produces a tape record of the permanent Header File. Two steps are required to update the Header file. Producing a tape record of the permanent Header File, updated to contain the new answers, is the first step required. This tape record must be identical to the original Headers contained in the permanent file, in all respects but one: the answers to the questions may differ, and the total number of possible selections would change accordingly.

INPUT

CRITERIA:

The only information that can be replaced in an existing Header record is the answer matrix.

SETUP:

PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - CTIO Control Deck, Job Control Card, and Header data cards.

APPROPRIATE COURSE DISK PACK loaded on 191.

SCRATCH TAPE mounted on 181.

RUN:

Program reads the cards to tape from the card reader, and produces an updated tape record of the Header File containing the new answer matrices.

STEP VII (continued)

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

PROGRAM CONTROL: The following job control card is accepted in Deck 2 to read Header Card changes to Tape:

1 9

((CARDS HEADER

DATA DECK: Following the job control card is a data deck consisting of Header cards containing changes in answer matrices.

SAMPLE DECK SETUP: CTIO CONTROL DECK FOR HEADER FILE UPDATING

```
// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
↓
// EXEC CTIOMAIN
((CARDS HEADER
((HEADER DATA DECK
/*
/*
```

A580-670-32

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 5

STEP VIII

PROGRAM ID: HEADER FILE UPDATING-HEADER CHECK-
HEADER STORE

ABSTRACT: This program, the second step in updating the Header file, takes punched card input, and using the AIMSMAIN Control Deck, lists the permanent headers, including all previous updates, and checks the input against the error checking routines. If the new Headers pass the error checking procedures they are placed in a temporary file. The program then instructs the system to take the Headers in the temporary file, and add to, or replace those in the permanent file.

SETUP: PRINTER - Standard (14 7/8") paper and control tape.

CARD READER - AIMSMAIN Control Deck and Job Control Cards.

APPROPRIATE COURSE DISK PACK loaded on 191.

HEADER FILE tape from CTIO Run mounted on 182.

SCRATCH TAPE mounted on 181.

RUN: Program reads the cards from the card reader, and the first job control card causes the system to list the permanent headers consisting of all previous updates. It checks the file to determine if the new headers are replacing or being added to the ones previously on file. If the error checking conditions are met, it places the new headers in a temporary file, and prints the following message:

"A-OK"

STEP III (continued)

The second job control card then causes the program to instruct the system to take the headers residing in the temporary file, and add them to, or replace those in the temporary file.

PROCESSING
ERRORS:

If the error checking conditions are not met, the following message is printed:

"THE CONDITION IS STOP"

Following receipt of this message, the run is terminated, the job cancelled, and the cognizant programmer notified.

For other processing errors refer to Appendix C - Error Messages.

OPERATING
ERRORS:

The program handles all operating errors and requires no operator intervention.

PROGRAM
CONTROL:

The following job control cards are accepted in Deck 1 to run the Header Check-Header Store routine:

1

((HEADER CHECK

1

((HEADER STORE

SAMPLE DECK
SETUP:

AIMSMAIN CONTROL DECK FOR HEADER CHECK-
HEADER STORE

// JOB 210012
// ASSGH,DLBL,TLBL&EXTENT CARDS
↓
// EXEC AIMSMAIN
((HEADER-CHECK
((HEADER-STORE
/*
/-6-

A580-670-34

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 5

STEP IX

PROGRAM ID: HEADER FILE LISTING

ABSTRACT: This program takes punched card input, and using the AIMSMAIN Control Deck, produces a listing of both permanent and temporary Header files.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck and Job Control card.

APPROPRIATE UPDATED COURSE File Disk Pack loaded on 191.

RUN: Program reads the cards from the card reader and causes the system to produce a listing of both permanent and temporary Header Files.

ERRORS: The program handles all operating errors and requires no operator intervention.

PROGRAM CONTROL: The following job control card is accepted in Deck 1 to print the Header File Listing.

1 14

((HEADER-PRINT

AIMSMAIN CONTROL DECK FOR HEADER FILE LISTING

// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓
// EXEC AIMSMAIN
((HEADER-PRINT
/*
/g

SAMPLE DECK
SETUP:

STEP X

PROGRAM ID: QUESTION (MBO) FILE

ABSTRACT: This program takes punched Question (MBO) Descriptor input cards (Card Layout 4), containing reference numbers, and descriptive information for each question in the course, and using the AIMSMAIN Control Deck, loads this data onto the AIMS files. It also handles all changes to the Question (MBO) Descriptor file. Question (MBO) input may also be read to tape for tape input.

INPUT CRITERIA: There may be only one Question File Record for each question in the Header File.

The only information that may be replaced in the Question (MBO) Descriptor Record includes the MBO description, correct answer, and prescription.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck, Job Control Card and Question (MBO) Data Deck.

APPROPRIATE UPDATED COURSE FILE Disk Pack loaded on 191.

RUN: Program reads the cards from the card reader and loads the Question (MBO) Descriptor data onto the appropriate Course File Disk Pack.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

A580-670-36

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 5

STEP X (continued)

CARD INPUT
PROGRAM
CONTROL:

Initial Question (MBO) Descriptor data, or changes to the record, accepts the following job control card in Deck 1 for card input.

1

((QUESTION-INFORMATION

TAPE INPUT

PROGRAM INPUT: Initial Question (MBO) Descriptor data, or changes to the record, accepts the following job control card in Deck 1 for tape input.

1

24 30

((QUESTION-INFORMATION 13 1

This format requires that the system find a tape with the Question information (80 byte image records).

DATA DECK:

Following either job control card is a data deck consisting of Question (MBO) Descriptor cards.

SAMPLE DECK
SETUP:

AIMSMAIN CONTROL DECK FOR QUESTION (MBO)
DESCRIPTOR FILE

```
// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
↓
// EXEC AIMSMAIN
((QUESTION-INFORMATION
QUESTION(MBO) DESCRIPTOR DATA DECK
/*
/*
```

STEP XI

PROGRAM ID: QUESTION LISTING

ABSTRACT: This program takes punched card input, and using the AIMSMAIN Control Deck, prints a listing of the Question (MBO)Descriptor File.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck and Job Control Card.

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

RUN: Program reads the cards from the card reader and prints out the contents of the Question (MBO) Descriptor File.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

PROGRAM CONTROL: The following job control card is accepted in Deck 1 to run the Question (MBO) File listing:

1 18

((QUESTION-LISTING

SAMPLE DECK SETUP:

AIMSMAIN CONTROL DECK FOR QUESTION (MBO)
DESCRIPTOR FILE LISTING

// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS

↓
// EXEC AIMSMAIN
((QUESTION-LISTING
/*
/&

A580-670-38

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 5

STEP XII

PROGRAM ID: DIRECTORY FILE LISTING

ABSTRACT: This program takes punched card input, and using the AIMSMAIN Control Deck, produces a listing containing the contents of the Directory File where question groups are indexed by terminal objective.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMSMAIN Control Deck and Job Control Card.

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

RUN: Program reads the cards from the card reader and prints out a listing of the Directory File contents.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

PROGRAM CONTROL: The following job control card is accepted in Deck 1 to run the Directory file listing:

SAMPLE DECK SETUP:
AIMSMAIN CONTROL DECK FOR DIRECTORY FILE LISTING

```
// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
//
// EXEC AIMSMAIN
((QUESTION-TO-LISTING
/*
/
/G
```

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-39

SECTION 4

AIMS III OPERATIONAL INPUT

AIMS III OPERATIONAL INPUT

A. GENERAL INFORMATION

Once the course files have been initiated, the system is ready to process student responses. The two sources of student response input are Port-a-Punch cards and OpScan forms.

1. Port-a-Punch cards are processed by System 360 to produce a Student Response Tape.
2. OpScan Forms are preprocessed through an OpScan Reader and Tape Unit to produce the final output tape containing complete Student Response records, sorted in proper sequence for AIMS processing.

STEP I

PROGRAM ID: STUDENT RESPONSE PORT-A-PUNCH CARD INPUT

ABSTRACT: This program accepts Student Responses (for each course) in the form of Port-a-Punch cards (Card Layout 5), of which there are two types, i.e., 5 response choices (A-E) and four response choices (A-D). These cards are read to tape, using the card to tape Utility Program, producing an unsorted Student Response Tape Record.

INPUT CRITERIA: Handling of Port-a-Punch cards should be kept to a minimum as damage can occur which will prevent processing. The perforated punches in the cards may fall out causing both identification and response errors.

The correct control deck must be used for the specific course being run.

Test types requiring more than one card per exam, should be ordered so that a sequence one (1) card is immediately followed by the respective sequence two (2) card. For example:

CSN 1
CARD 1
CARD 2
CSN 2
CARD 1
CARD 2

If any cards are rejected or destroyed by the card reader during the run, they can be repaired and placed at the end of the Port-a-Punch decks, but before the Delimiter card (/*).

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - CTIO Control Deck (CTIOMAIN) or NYITCTIOMAIN, Job Control Card, and Port-a-Punch data deck.

A580-670-44

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 4

STEP I (continued)

OUTPUT TAPE mounted on 181.

APPROPRIATE COURSE HEADER FILE DISK PACK
loaded on 191.

RUN:

The program reads the cards to tape from the card reader and checks the test identification on the response card against the header records on file to determine whether the response cards being input actually correspond to a test in the files. Additional checking is performed for:

- Student Identification
- Mis-punched Columns
- Date
- Completion Time

If the checking routines are passed, the program writes the unsorted student response records on tape.

ERRORS:

The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

PROGRAM

CONTROL:

The following job control card is accepted in Deck 2 to read student response cards to tape:

1 9

((CARDS STUDENT

Following the job control card is a data deck consisting of Student Response Port-a-Punch cards.

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-45
SECTION 4

STEP I (continued)

SAMPLE DECK

SETUP:

CTIO CONTROL DECK FOR STUDENT RESPONSE
PORT-A-PUNCH CARD INPUT

```
// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
↓
// EXEC CTIOMAIN(OR NYITCTIOMAIN)
((CARDS STUDENT
((DATA DECK
/*
/&
```

A580-670-46

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 4

STEP II

PROGRAM ID: STUDENT RESPONSE TAPE - SORT/MERGE

ABSTRACT: This program, sorts the Student Response tape, created in Step 1, in order of Volume, Course, Student Number, Segment, and Type using the IBM Sort/Merge Utility Program (Deck 3).

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

UNSORTED STUDENT TAPE mounted on 181.

OUTPUT TAPE mounted on 180.

RUN: Program reads the cards from the card reader and produces a sorted Student Response Tape for AIMS processing.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

STEP III

PROGRAM ID: STUDENT RESPONSE OPSCAN INPUT
PREPROCESSING

ABSTRACT: This program processes Student Responses in the form of OpScan sheets, (Layout 6) which are preprocessed through an OpScan Reader and Tape Unit, for input to the IBM 360 Computer Interface program. It produces a final output tape containing complete response records, sorted in proper order for AIMS processing.

INPUT

CRITERIA:

All pre-test and post-test OpScan forms shall be scanned at the same time. Study guides should be scanned in a separate operation, using a different tape than that used for pre-test and post-test scanning.

A. OpScan System Setup Instructions

1. Mount Output Tape on OpScan Tape Unit
2. On OpScan Reader-Set:

POWER to ON
DRIVE to ON
FEED/HOLD to HOLD
FORM to H1

3. Press Red Button on Counter to Reset to Zero
4. Set LOAD/SCAN Switch to A; then

o Feed Q Control form into the input feed hopper (marked side facing upward)

5. Set LOAD/SCAN Switch to K; then
 - Feed K control form into the input feed hopper (marked side facing upward)

STEP III (continued)

6. Set LOAD/SCAN switch to T; then
 - Press Test Button to initiate memory check.

7. Set LOAD/SCAN switch to P; then
 - Press Test Button to initiate parity check.

8. Set:

MULTIPLE/SELECT Switch to DOWN
PRINT/INHIBIT Switch-NOT APPLICABLE
TWO/THREE Switch-NOT APPLICABLE
LOAD SCAN Switch to S
FORMULA Switch-NOT APPLICABLE

OMIT/SELECT Switch to OFF
TOTAL Switch to OFF
DOUBLE LINE to OFF for Pre-Test, Post-Test
Forms
DOUBLE LINES to ON for Study Guide Forms
MODE to S
FULL/HALF Switch (inside machine) to HOLD

B. START PROCESSING INSTRUCTIONS

1. Load OpScan Forms into the Input Feed Hopper
2. Mount Output Tape Reel on Tape Unit
3. Press Tape Enable ON
4. On Tape Unit:
 - Press ON/OFF switch to ON; then
 - Verify FORWARD indicator lights; then

5. Set:

- HI SPEED-LOCAL-AUTO switch to LOCAL
- REV-STOP-FWD switch to STOP
- FAST REV-STOP-FAST FWD switch to STOP

STEP III (continued)

6. Mount Output Tape Reel
7. Press READY LOAD Button until tape stops, then release.
8. Set HI-SPEED-LOCAL-AUTO Switch to AUTO

NOTE: Do not tape mark beginning of tape.

9. ON READER:

- Press RESET Button to extinguish RED Lights.
- Set FEED/HOLD Button to FEED

C. END OF PROCESSING INSTRUCTIONS

1. Press tape mark switch
2. Set:

- FEED/HOLD to HOLD
- DRIVE to OFF
- POWER switch to OFF when scanning disc stops rotating.

A380-670-50

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 4

STEP IV

PROGRAM ID: OPTICAL SCANNER RESPONSE TAPE CONVERSION

ABSTRACT: This program interpretes the Student Response tapes, created by OpScan pre-processing, and using the Card-to-Tape (CTIO) Utility program (Deck 2) merges the tapes and produces an unsorted Student Response Record.

CRITERIA: SCRATCH TAPE shall be clean to avoid incorrect record length difficulties.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - CTIO Control Deck (CTIOMAIN or NYITCITOMAIN), and Job Control Card.

PRE-TEST, POST-TEST TAPE mounted on 182.

STUDY GUIDE TAPE mounted on 183.

SCRATCH TAPE mounted on 181.

APPROPRIATE COURSE HEADER FILE DISK PACK on 191.

RUN: The program reads the cards from the card reader, interprets the response tapes, and checks the test identification on the response tapes against the Header Records. The program tests to determine whether the response cards being input actually correspond to a test in the files. Additional checking is performed for:

- Student Identification
- Date
- Completion Time
- Bad Quality

If the checking routines are passed, the program writes the unsorted student response records on tape.

STEP IV (continued)

OPERATING
ERRORS:

The program handles all operating errors
and requires no operator intervention.

PROCESSING
ERRORS:

Pre and Post Test:

RECORD NNN HAS BAD QUALITY -- RECORD IGNORED

RECORD NNN HAS A BLANK IN STUDENT COURSE
NUMBER FIELD 1

RECORD NNN HAS BLANKS IN COMPLETION TIME
FIELD -- FIELD SET TO ZERO

RECORD NNN HAS BLANKS IN VOLUME FIELD

RECORD NNN HAS UNDISTINGUISHABLE TYPE
CODE -- RECORD IGNORED

RECORD NNN HAS COURSE NUMBER TROUBLE

RECORD NNN HAS NNN UNRECOVERABLE ERRORS --
RECORD IGNORED

Study Guide:

RECORD NNN HAS BAD QUALITY -- RECORD IGNORED

RECORD NNN HAS A BLANK IN STUDENT COURSE
NUMBER FIELD 1

RECORD NNN HAS BLANKS IN COMPLETION TIME
FIELD -- FIELD SET TO ZERO

RECORD NNN HAS BLANKS IN SEGMENT FIELD

RECORD NNN HAS BLANKS IN VOLUME FIELD

RECORD NNN HAS COURSE NUMBER TROUBLE

RECORD NNN HAS NNN UNRECOVERABLE ERRORS --
RECORD IGNORED

For other processing errors refer to Appendix
C - Error Messages.

A380-670-52

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 4

STEP IV (continued)

PROGRAM

CONTROL: This program accepts the following job control card in Deck 2:

SAMPLE DECK
SETUP:

1

((MARK-SENSE
CTIO CONTROL DECK FOR OPTICAL SCANNER
RESPONSE TAPE CONVERSION
// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
↓
// EXEC CTIOMAIN (OR NYITCTIOMAIN)
((MARK-SENSE
/*
/¶

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A380-670-53
SECTION 4

STEP V

PROGRAM ID: CONVERTED STUDENT RESPONSE TAPE SORT

ABSTRACT: This program sorts the converted Student Response tape (created in Step IV), in order of Volume, Course Student Number, Segment, and Type using the IBM SORT/MERGE Utility Program (Deck 3).

CRITERIA: SCRATCH TAPE shall be clean to avoid incorrect record length difficulties.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - SORT/MERGE UTILITY DECK

UNSORTED STUDENT RESPONSE TAPE mounted on 181.

OUTPUT TAPE mounted on 180.

WORK DISK 000002 loaded on 192.

RUN: Program reads the cards from the card reader and produces a sorted Student Response Tape for AIMS processing.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A380-670-55

SECTION 5

AIMS III MASTER RESPONSE FILE CREATION

AIMS III MASTER RESPONSE FILE CREATION

A. GENERAL INFORMATION

The Master Response File contains all the student responses received to date for a particular course.

B. CRITERIA

The Master Response File shall be uniquely labeled.

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-59
SECTION 5

STEP I

PROGRAM ID: MASTER RESPONSE FILE INITIALIZATION

ABSTRACT: This program, using the sorted Student Response tapes (created either by the OpScan pre-processor or the CTIO program), initializes a Master Response File, by executing the Tape-to-Tape Utility Program (TPTP) Deck 4.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - Tape-to-Tape Utility Program

SORTED RESPONSE TAPE mounted on 180.

OUTPUT TAPE mounted on 181.

RUN: Program reads the cards from the card reader, sorts in the student response tape, and produces a Master Response File.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

A580-670-60

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 5

STEP II

PROGRAM ID: MASTER RESPONSE FILE UPDATING

ABSTRACT: This program, using a sorted Student Response tape, updates the Master Response file with current response information, by executing Deck 5 - AIMS Master File Updating - SORT Program.

SETUP: PRINTER - Standard paper (14 7/8") and control tape.

CARD READER - AIMS Master File Updating Sort Program.

SORTED STUDENT RESPONSE TAPE mounted on 180.

MASTER RESPONSE TAPE mounted on 181.

WORK DISK PACK loaded on 192.

RUN: Program reads the cards from the card reader, sorts in the Student Response tape, and updates the Master Response File.

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-61

SECTION 6

AIMS III REPORT GENERATOR

AIMS III REPORT GENERATOR

A. GENERAL INFORMATION

The Report Generator is an independent off-line report producing system, the main program of which is phased and stored in the core image library. This section sets forth the instructions necessary to produce reports. For Report Formats refer to Appendix G.

B. CRITERIA

1. Both a Sorted Student Response tape and the Master Response file may be used with the output generator to produce reports. To save processing time, the Master Response File should only be used when all of the responses required are not on the basic sorted Student Response tape.
2. Reports can be produced for every test within a lesson by using one Report Request Deck. However, the processing of more than one volume within the same deck is not permitted.

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A380-670-65
SECTION 6

STEP I

PROGRAM ID: REPORT GENERATION

ABSTRACT: This program, utilizing Deck 6 - Report Request Deck, initializes all output functions. Report data is made available by accessing and processing main programs, Student Response Files, or the Master Response File, previously created by the AIMS System. A Report Number Control card, followed by a Report Content card (Card Layout 7) calls in the necessary report producing subprograms to produce the desired report number output.

INPUT CRITERIA: Certain reports require data unique only to those reports. A Special Data card, containing no special format, is used in the Report Request Deck for this purpose.

SETUP: PRINTER - Standard Paper (14 7/8") and control tape.

CARD READER - Standard Report Request Deck. Report Number, Job Control Card, Report Content Card, and Special Data Card deck (if any).

APPROPRIATE COURSE FILE DISK PACK loaded on 191.

SORTED STUDENT RESPONSE TAPE (or Master Response File) mounted on 180.

RUN: Program reads the cards from the card reader. The Report Number card, when read, instructs the program as to which reports are being requested. The program selects the first report requested, reads the Report Content card, which describes the particular lesson, segment, type the report is for, and extracts the proper data from the appropriate AIMS files. The program then organizes the data for output, and transmits it to either printer or tape as required.

A380-670-66

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

SECTION 6

STEP I (continued)

ERRORS: The program handles all operating errors and requires no operator intervention.

For processing errors refer to Appendix C - Error Messages.

PROGRAM

CONTROL:

The following job control card is accepted in Deck 6 to request generation of specific reports:

1 8

((REPORT

Starting with column 11, each two digit number represents a report number.

Following the Report Number job control card, a Report Content card, for each report selected, must be present in order of report number.

SAMPLE DECK
SETUP:

STANDARD REPORT REQUEST DECK

// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS



// EXEC REPTAIMS
((REPORT NUMBER CARD
REPORT CONTENT CARD
SPECIAL DATA CARDS (IF ANY)

/*
/%

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-67
SECTION 6

STEP I (continued)

SAMPLE DECK
SETUP:

REPORT REQUEST DECK FOR REPORT NO. 7

```
// JOB 210012
// ASSGN,DLBL,TLBL&EXTENT CARDS
↓
// EXEC REPTAIMS
((REPORT 07
REPORT CONTENT CARDS
(SPECIAL DATA) CUTOFF LEVEL CARDS
↓
/*DELIMITER CARD
(SPECIAL DATA) STUDENT & SESSION MAX CARD
(SPECIAL DATA) PROF & LOCATION CARDS

/*
/
```

APPENDIX A

Sample Deck Setups

The following deck setups include most possibilities and all existing copies of JCS at the time of this writing.

<u>Control Deck No.</u>	<u>Type</u>	<u>Page</u>
1	Physics 4001 L.I. Spring Semester Input Student Background cards	71
2	Physics 4001 L.I. Spring Semester Input Student Response cards	72
3	Physics 4001 L.I. Spring Semester Produce Report #1	73
4	Physics 4001 L.I. Spring Semester Produce Report #15	74
5	Physics 4001 N.Y. Spring Semester Input Student Background cards	75
6	Physics 4001 N.Y. Spring Semester Input Student Response cards	76
7	Physics 4001 N.Y. Spring Semester Produce Report #1	77
8	Physics 4001 N.Y. Spring Semester Produce Report #15	78
9	Math 3012 N.Y.I.T. Fall Semester Transfer Header Cards to Tape	79
10	Math 3012 N.Y.I.T. Fall Semester Store Headers in Header File	80
11	Math 3012 N.Y.I.T. Fall Semester Produce Report #11	81
12	Bowie College Math 3012 Fall Semester Input Student Background cards	82

A580-670-70

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

APPENDIX A (continued)

<u>Control Deck No.</u>	<u>Type</u>	<u>Page</u>
13	Bowie College Math 3012 Fall Semester Input Question-Information (MBO) cards	83
14	Bowie College Math 3012 Fall Semester Produce Report #1	84
15	NAVY Physics S211 Fall Semester Input Student Background cards	85
16	NAVY Physics S211 Fall Semester Produce Report #1	86
17	NAVY Physics S211 Fall Semester Produce Report #7	87
18	NAVY Physics S211 Fall Semester Produce Report #15	88

DECK 1

Physics 4001 L.I. Spring Semester
Input Student Background Cards

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000006,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000006,1,0,1070,9
// EXEC AHEWMAIN
((STUDENT-INPUT
* * * * * * * * * * * *
* *
* STUDENT BACKGROUND CARDS IN DESIRED COURSE STUDENT *
* NUMBER ORDER *
* * * * * * * * * * * *
/* */
/*
```

A380-670-72

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 2

Physics 4001 L.I. Spring Semester
Input Student Response Cards

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000006,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000006,1,0,1070,9
// EXEC NYITCTIO
((CARDS STUDENT01 5 04
*   *   *   *   *   *   *   *   *   *   *   *
*   *
*   STUDENT PORT-A-PUNCH RESPONSE CARDS IN ANY ORDER
*   *
*   *   *   *   *   *   *   *   *   *   *
/*   */
/*
```

DECK 5

Physics 4001 L.I. Spring Semester
Produce Report #1

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000006,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000006,1,0,1070,9
// EXEC REPTAIMS
((REPORT 01
01          030101124           4001 L.I.
/*
/§
```

A380-670-74

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 4

Physics 4001 L.I. Spring Semester
Produce Report #15

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000006,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000006,1,0,1070,9
// EXEC REPTAIMS
((REPORT 15
15          03010112345          4001 L.I.
* * * * * * * * * * * * * * *
* * * SAMPLE REPORT CONTENT CARD IS FOR VOLUME 3-SO *
* FOLLOWING IT SHOULD BE THE PREVIOUSLY GENERATED   *
* STUDENT VOLUME STATISTIC CARDS FOLLOWED BY A     *
* SUFFICIENT NUMBER OF BLANK CARDS FOR PUNCHING    *
* THE NEW STUDENT VOLUME STATISTIC CARDS.         *
* * * * * * * * * * * * * * *
/*/
/*
```

DECK 5

Physics 4001 N.Y. Spring Semester
Input Student Background Cards

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-4001 LI MSTR',,081,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS-TWO',70/365,SD
// EXTENT SYS006,000006,1,0,1110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS-TWO',70/365,SD
// EXTENT SYS009,000006,1,0,1100,9
// EXEC AHEWMAIN
((STUDENT-INPUT
* * * * * * * * * * * * *
* *
* STUDENT BACKGROUND CARDS IN DESIRED COURSE STUDENT *
* NUMBER ORDER *
* * * * * * * * * * * * *
/* */
/*
```

A580-670-76

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 6

Physics 4001 N.Y. Spring Semester
Input Student Response Cards

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-4001 LI MSTR',,081,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS-TWO',70/365,SD
// EXTENT SYS006,000006,1,0,1110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS-TWO',70/365,SD
// EXTENT SYS009,000006,1,0,1100,9
// EXEC NYITCTIO
((CARD STUDENT01 5 04
*   *   *   *   *   *   *   *   *   *   *   *   *
*   *
*   STUDENT PORT-A-PUNCH RESPONSE CARDS IN ANY ORDER
*   *
*   *   *   *   *   *   *   *   *   *   *   *
/*   *
/*
```

DECK 7

Physics 4001 N.Y. Spring Semester
Produce Report #1

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-4001 LI MSTR',,081,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS-TWO',70/365,SD
// EXTENT SYS006,000006,1,0,1110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,150,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS-TWO',70/365,SD
// EXTENT SYS009,000006,1,0,1100,9
// EXEC REPTAIMS
((REPORT 01
01          030101124           4001 N.Y.
/*                                                 
/*
```

A580-670-78

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 8

Physics 4001 N.Y. Spring Semester
Produce Report #15

```
// JOB 210012
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS011,X'181'
// ASSGN SYS010,X'182'
// TLBL IJSYS01,'AIMS-4001 LI MSTR',,081,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000006,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000006,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000006,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000006,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS-TWO',70/365,SD
// EXTENT SYS006,000006,1,0,1110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000006,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000006,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS-TWO',70/365,SD
// EXTENT SYS009,000006,1,0,1100,9
// EXEC REPTAIMS
((REPORT 15
15      0501011.345          4001 N.Y.
*      *      *      *      *      *      *      *      *      *
*
*
*      SAMPLE REPORT CONTENT CARD IS FOR VOLUME 3-SO FOLLOWING *
*      IT SHOULD BE THE PREVIOUSLY GENERATED STUDENT VOLUME   *
*      STATISTIC CARDS FOLLOWED BY A SUFFICIENT NUMBER OF BLANK*
*      CARDS FOR PUNCHING THE NEW STUDENT VOLUME STATISTIC CARDS *
*
*      *      *      *      *      *      *      *      *      *
/*
/*
```

DECK 9

Math 3012 N.Y.I.T. Fall Semester
Transfer Header Cards to Tape

```
// JOB 210012 AIMS MATH 3012 NYIT
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000009,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000009,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000009,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000009,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000009,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000009,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000009,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000009,1,0,1070,9
// EXEC CTIOMAIN
((CARDS HEADER 30 5 04
* * * * * * * * * * * * * *
* * * * * * * * * * * * * *
* HEADER PORT-A-PUNCH CARDS MUST BE ADDED TO THE FILE IN *
* WHOLE VOLUME UNITS. THE ONLY EXCEPTIONS ARE UPDATE *
* CARDS WHICH MAY BE USED TO CHANGE ANSWERS ONLY *
* * * * * * * * * * * * * *
/* */
/&
```

A580-670-80

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 10

Math 3012 N.Y.I.T. Fall Semester
Store Headers In Header File

```
// JOB 210012 AIMS MATH 3012 NYIT
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000009,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000009,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000009,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000009,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000009,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000009,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000009,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000009,1,0,1070,9
// EXEC AHEWMAIN
((HEADER-CHECK
((HEADER-STORE
/*
/*
```

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-81

DECK 11

Math 3012 N.Y.I.T. Fall Semester
Produce Report #11

```
// JOB 210012 AIMS MATH 3012 NYIT
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000009,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000009,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000009,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000009,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000009,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000009,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000009,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000009,1,0,1070,9
// EXEC REPTAIMS
((REPORT 11
11          09050112345           MATH 3012
/*
/&
```

A580-670-82

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 12

Bowie College Math 3012 Fall Semester
Input Student Background Cards

```
// JOB 210012 AIMS BOWIE COLLEGE
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000007,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000007,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000007,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000007,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000007,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000007,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000007,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000007,1,0,1070,9
// EXEC AHEWMAIN
((STUDENT-INPUT
*   *   *   *   *   *   *   *   *   *   *   *
*
*   STUDENT BACKGROUND CARDS IN DESIRED COURSE STUDENT   *
*   NUMBER ORDER                                         *
*
*   *   *   *   *   *   *   *   *   *   *   *
/*
/*
```

DECK 15

Bowie College Math 3012 Fall Semester
Input Question-Information (MBO) Cards

```
// JOB 210012 AIMS BOWIE COLLEGE
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000007,1,0,10,99
// DBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000007,1,0,700,59
// DBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000007,1,0,760,49
// DBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000007,1,0,810,249
// DBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000007,1,0,110,19
// DBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000007,1,0,130,569
// DBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000007,1,0,1060,9
// DBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000007,1,0,1070,9
// EXEC AHWMMAIN
((QUESTION- INFORMATION
*   *   *   *   *   *   *   *   *   *   *
*
*   QUESTION INFORMATION (MBO) DATA CARDS
*
*   *   *   *   *   *   *   *   *   *   *
/* 
/ &
```

A380-670-84

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 14

Bowie College Math 3012 Fall Semester
Produce Report #1

```
// JOB 210012 AIMS BOWIE COLLEGE
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000007,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000007,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000007,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000007,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000007,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000007,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000007,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000007,1,0,1070,9
// EXEC REPTAIMS
((REPORT 01
01          06050112345           BOWIE 3012
/*
/&
```

DECK 15

Navy Physics S211 Fall Semester
Input Student Background Cards

```
// JOB 210012 AIMS NAVY
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000003,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000003,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000003,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000003,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000003,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000003,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000003,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000003,1,0,1070,9
// EXEC AIMSMAN
((STUDENT-INPUT
* * * * * * * * * * *
* *
* STUDENT BACKGROUND CARDS IN DESIRED COURSE STUDENT *
* NUMBER ORDER *
* * * * * * * * * * *
/* */
/&
```

A580-670-86

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 16

Navy Physics S211 Fall Semester
Produce Report #1

```
// JOB 210012 AIMS NAVY
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000003,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000003,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000003,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000003,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000003,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000003,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000003,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000003,1,0,1070,9
// EXEC REPTAIMS
((REPORT 01
01          010301124           PHYSICS S211
/*
/*
```

DECK 17

Navy Physics S211 Fall Semester
Produce Report #7

```
// JOB 210012 AIMS NAVY
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000003,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000003,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000003,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000003,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000003,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000003,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000003,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000003,1,0,1070,9
// EXEC REPTAIMS
((REPORT 07
07      100301124          PHYSICS S211
* * * * * * * * * * * * * * *
*
* SPECIAL DATA FOR REPORT 7 MUST BE INCLUDED IN THE FOL-
* LOWING ORDER -
*   1. CUT-OFF LEVEL CARDS
*   2. DELIMITER CARD
*   3. MAXIMUM NUMBER OF STUDENTS AND SESSIONS
*   4. PROFESSORS AND RESPECTIVE SESSION LOCATIONS
* * * * * * * * * * * * * * *
/* 
/G
```

A380-670-88

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 18

Navy Physics S211 Fall Semester
Produce Report #15

```
// JOB 210012 AIMS NAVY
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS008,X'191'
// ASSGN SYS009,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS10
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000003,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000003,1,0,700,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000003,1,0,760,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000003,1,0,810,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000003,1,0,110,19
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000003,1,0,130,569
// DLBL IJSYS08,'TEXT FILE-AIMS',70/365,SD
// EXTENT SYS008,000003,1,0,1060,9
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000003,1,0,1070,9
// EXEC REPTAIMS
(REPORT 15
15          040301124          PHYSICS S211
*   *   *   *   *   *   *   *   *   *   *
*   *
*   SAMPLE REPORT CONTENT CARD IS FOR VOLUME 4-SO FOL-
*   LOWING IT SHOULD BE THE PREVIOUSLY GENERATED
*   STUDENT VOLUME STATISTIC CARDS FOLLOWED BY A SUF-
*   FICIENT NUMBER OF BLANK CARDS FOR PUNCHING THE NEW
*   STUDENT VOLUME STATISTIC CARDS.
*
*   *   *   *   *   *   *   *   *   *   *
/* 
/*
```

APPENDIX B

Tables

<u>Table Number</u>	<u>Title</u>	<u>Page</u>
1	AIMS Input Requirements by Priority	91
2	Peripheral Unit Config- urations	92

AIMS INPUT REQUIREMENTS
by
PRIORITY

Type	<u>Content</u>	<u>Source</u>	<u>Priority</u>
System	Student Background	Cards or Tape	(1)
	Course Header	Porta-Punch	(1)
	Question Descriptor	Cards or Tape	(2)
Operational	Student Response	Porta-Punch/OpScan	(2)

AIMS VERSION 111 360/50 PERIPHERAL UNIT CONFIGURATIONS

	X'180'	X'181'	X'182'	X'183'	X'190'	X'191'	X'192'
A. Background Cards							CDP
B. Header Cards _____ Step #1							CDP
Header Cards _____ Step #2							CDP
C. Question (NBO) Descriptor Cards							CDP

AIMS VERSION 111 300/50 PERIPHERAL UNIT CONFIGURATIONS (cont'd)

	X'180'	X'181'	X'182'	X'185'	X'190'	X'191'	X'192'
D. Port-a-Punch Cards <u>Step #1</u>		Unsorted Response Tape					CDP
Sort Response Tape <u>Step #2</u>	Sortout Sorted Tape		Sortin & Unsorted Tape				CDP
Master Response Tape <u>Step #5</u>	Sortin Sorted Tape		Sortin & Sortout Master				
E. OpScan Sheets Tape-to-Tape	Sorted Response Tape		Study Guide Tape	Scratch Tape #1	Pre & Post Test Type	DOSRIS	WORK disk 02
Unscramble Prc, Post & Study Guide	Sorted Response Tape		Scratch Tape #2	Scratch Tape #1	Scratch Tape #5	CDP	
Sort	Sortout Sorted Response Tape		Sortin Scratch Tape #2		Sortin Scratch Tape #5		
F. Output Reports	Sorted Response Tape						CDP

A580-670-95
PAGE 2
(continued)

APPENDIX C

Error Messages

The AIMS III System input and update portion utilizes a structure of numbered error messages. The message is a single line with a general form of:

AIMS ERRORROUTINE (routine name) SEV. (severity code) No. (error number) (up to five pieces of data) JOB (job name) (date and time)

The items in brackets vary with each type of error. The routine name is the AIMS III function being used. The severity code only has meaning on a zero or one numeric basis, a plus one code will provide a core dump and terminate the AIMS run, a zero code will return to the function and attempt to continue. The error message definitions are supplied below:

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-97

Error Messages

Name Severity Code #

MBO 0 1

The Header File is empty and the attempt to input MBO question information has been halted. The header information has to be loaded into the file prior to any MBO input.

MBO 0 2 A B C D

Record No. A of the input has a lesson number (B) not contended in the Header File. The segment and type of the record is-C and D respectively. Check card and content of Header File.

MBO 0 5 A B C

Record No. A of the input has a question number (C) greater than the largest allowed (B) by the Header File. Check card input and content of Header File.

MBO 0 4 A B C

Record No. A of the input has a T.O. (B) which is either less than zero or greater than 200. The MBO (C) can also be less than zero.

MBO 0 5 A B C D

Record No. A of the input with lesson number (B) does not have the requested segment number (C) or type (D) in the Header File. Check card and contents of Header File.

A580-670-98

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

Error Messages

<u>Name</u>	<u>Severity Code</u>	#	A	B	C
<u>HEADER</u>	0	3	A	B	C
A Delete Record for Lesson A, Segment B, Type C in the Temporary File was submitted, but no match was found. The record is ignored, and the condition code set to STOP.					
<u>HEADER</u>	0	4	A	B	C
A header record for Lesson A, Segment B, Type C was submitted but the question number was less than 1. The record is ignored, and condition code becomes stop.					
<u>HEADER</u>	0	5	A	B	C
A header record for Lesson A, Segment B, Type C was submitted, but there are already 400 headers in the file. The record is ignored and condition code becomes stop.					
<u>HEADER</u>	0	-1	A	B	C
This is programmer error. Contact the systems programmer.					
<u>HEADER</u>	0	6	A	B	C D
Record J in the Temporary File is the same in Lesson B, Segment C, and Type D as the previous record. The condition code is set to stop.					

Error Messages

Name	Severity Code	#	A	B	C	D
<u>HEADER</u>	0	7	A	B	C	D
The record for Lesson A, Segment B, Type C is the Dth record in this lesson. There must be less than 11 records per lesson. The condition code becomes stop.						
<u>HEADER</u>	0	8	A	B	C	
Record A in the Temporary File should have been for Lesson B, but the Lesson number was C. The condition code is stop.						
<u>STORE</u>	0	1				
An attempt was made to store the temporary file but the condition code was STOP. A listing of the files is pro- vided.						
<u>STORE</u>	1	1	A	B	C	D
We ran out of room on the question file while attempting to store the header records in the Permanent File. The job is aborted. Contact						
<u>HEADER</u>	0	1	A	B	C	D
An update for record A in the Permanent file (of Lesson B, Segment C, and Type D) was submitted, but the record doesn't match on either course, # of cards to make the record single or double, or # of questions. The update record is ignored.						
<u>HEADER</u>	0	2	A	B	C	
An update card for Lesson A, Segment B, Type C was submitted, but no such record was found in the permanent file. The update record is ignored						

A380-670-100

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

Error Messages

<u>Name</u>	<u>Severity Code</u>	<u>Number</u>			
<u>INPUT</u>	0	1	A	B	
Record No. A of the input deck, is an update record, but Student No. B is not in the file. Record is ignored.					
<u>INPUT</u>	0	2	A	B	C
Record No. A of the input deck is an update record, but the Name field doesn't agree with that in the file for Student No. B. The mismatch is in word C. Record is ignored.					
<u>INPUT</u>	0	3	A	B	
Record No. A of the input deck was to add a student, but there are already B students enrolled in the course (though some may have been dropped). A listing of the file is provided, and the AIMS monitor resumes control.					
<u>DROP</u>	0	1	A	B	C
Record No. A of the input deck, a drop record, has invalid student number B. There are C records in the file, thus student number should be between 1 and 6 inclusive. The record is ignored.					
<u>DROP</u>	0	2	A	B	C
Record No. A of the input deck is a drop record for Student number B, who has already been dropped. The record is ignored.					
<u>DROP</u>	0	3	A	B	C
Record No. A of the input deck is a drop record for student number B, but the names do not match in word C.					

APPENDIX D

Control and Utility Decks

<u>Deck Number</u>	<u>Title</u>	<u>Page</u>
1	Clear Disk Utility Deck	103
2	Standard AIMSMAIN Control Deck	104
3	CTIO Control Deck	105
4	I.B.M. Sort/Merge Utility Deck	106
5	AIMS Master Response (TPTP) Deck	107
6	AIMS Master Response - Updating Deck	108
7	Standard Report Request Deck	109

DECK 1

Clear Disk Utility Deck

The following deck is used to perform the clear disk function in initialization:

```
// JOB NAME
// DLBL VOVT,'SYSTEM FILE-AIMS',70/365,30
// EXTENT SYS009,000003,1,1070,9
// EXEC CLRDSK
// VCL B=(K=0,DF100),X'00'0Y
// END
/*
/&
```

A380-670-104

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 2

Standard AIMSMAIN Control Deck

All AIMS functions except those directly related to binary card reading, sorting or report generation, are executed with the following deck structure:

AIMSMAIN

```
// JOB 606 210012 TEST AIMS EXECUTION
// ASSGN SYS001,X'180'
// ASSGN SYS002,X'191'
// ASSGN SYS003,X'191'
// ASSGN SYS004,X'191'
// ASSGN SYS005,X'191'
// ASSGN SYS010,X'182'
// ASSGN SYS011,X'181'
// TLBL IJSYS01,'AIMS-STUDENT DATA',70/365,67,1,1,1,3
// DLBL IJSYS02,'LESSON SCRATCH FILE-AIMS',70/365,SD
// EXTENT SYS002,000003,1,0,10,99
// DLBL IJSYS03,'HEADER FILE-AIMS',70/365,SD
// EXTENT SYS003,000003,1,0,690,59
// DLBL IJSYS04,'DIRECTORY FILE-AIMS',70/365,SD
// EXTENT SYS004,000003,1,0,750,49
// DLBL IJSYS05,'QUESTION FILE-AIMS',70/365,SD
// EXTENT SYS005,000003,1,0,800,249
// DLBL IJSYS06,'STUDENT BACKGROUND FILE-AIMS',70/365,SD
// EXTENT SYS006,000003,1,0,110,9
// DLBL IJSYS07,'STUDENT SCORE FILE-AIMS',70/365,SD
// EXTENT SYS007,000003,1,0,120,569
// DLBL IJSYS08,'TEXT FILE-AIMS',,70/365,SD
// EXTENT SYS008,000003,1,0,1050,19
// DLBL IJSYS09,'SYSTEM FILE-AIMS',70/365,SD
// EXTENT SYS009,000003,1,0,1070,9
// EXEC AIMSMAIN
```

(AIMS JOB CONTROL CARDS)

(DATA DECK IF ANY)

```
/*
/
```

DECK 3

CTIO Control Deck

The CTIO Control Deck must be used for functions involving the reading of binary cards.

The deck is simply constructed from the AIMS Control Deck by the following card replacement:

in place of: //EXEC AIMSMAIN
place: //EXEC CTIOMAIN

AIMS control cards are also replaced by the appropriate CTIO cards as described in the text.

A380-670-106

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 4

IBM Sort/Merge Routine

```
// JOB 210012 SORT FOR STUDENT PERFORMANCE TAPE
// ASSGN SYS001,X'182'
// ASSGN SYS002,X'181'
// ASSGN SYS003,X'191'
// DLBL SORTWK1,,68/001
// EXTENT SYS003,000002,1,0,10,1500
// EXEC SORT
  SORT FIELDS=(9,2,A,11,2,A,13,Z,A),FORMAT=FI,WORK=1
  RECORD TYPE=F,LENGTH=(138)
  OPTION LABEL=(U,U,S)
  END
/*
// ASSGN SYS001,X'183'
// ASSGN SYS002,X'182'
// ASSGN SYS003,X'180'
// TLBL SORTOUT,'AIMS-STUDENT DATA',,67,1,1,1,3
// EXEC SORT
  MERGE FIELDS=(9,2,A,11,2,A,13,2,A),FORMAT=FI,FILES=2
  RECORD TYPE=F,LENGTH=(138)
  OPTION LABEL(S,U,U)
  END
/*
/&
```

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

A580-670-107

DECK 5

AIMS Master Response (TPTP) Deck

The deck structure for the creation of an AIMS
Student Master File:

Program: TPTP

Deck: // JOB 210012
// ASSGN SYS004,X'180'
// ASSGN SYS005,X'181'
// TLBL UOUT,'**SEE NOTE1',70/365,**2,1,1,13
// TLBL UIN,'AIMS-STUDENT DATA',70/365,**2,1,1,i,3
// EXEC TPTP
// UTT TC,FU,A=(138),B=(138),IU,ON,R1
// END
/E

** NOTE1, Unique tape label.
NOTE2, Unique tape number.

A380-670-108

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

DECK 6

AIMS Master Response Update Deck

Updating an AIMS Master File

Program: SORT

Deck: // JOB 210012
// ASSGN SYS001,X'181'
// ASSGN SYS002,X'180'
// ASSGN SYS003,X'181'
// TLBL SORTOUT, **NOTE1
// TLBL SORTIN1,'AIMS-STUDENT DATA',70/365,**NOTE2,
1,1,1,3
// TLBL SORTIN2,**NOTE1
// DLBL SORTWK1,68/001
// EXTENT SYS004,000002,1,,50,1500
// EXEC SORT
SORT FIELDS=(9,10,B1,A),WORK=1,SIZE=1800,FILES=2
RECORD TYPE=F,LENGTH=138
INPFIL CLOSE=UNLD
OUTFIL BLKSIZE=158,CLOSE=UNLD
OPTION LABEL=(S,S,S,S)
END
/6

** NOTE1, This tape label should be identical to the one which created the master file.

NOTE2, Unique tape number.

DECK 7

Standard Report Request Deck

```
// JOB 210012
// ASSGN,DLBL,LBL,SEXENT CARDS

// EXEC REPTAIMS
((REPORT NUMBER CARD
REPORT CONTENT CARD
SPECIAL DATA CARDS (IF ANY)

/*
/6
```

APPENDIX E

Card and Form Layouts

<u>Layout Number</u>	<u>Title</u>	<u>Page</u>
1	Student Background and Enrollment Card	113
2	Student Drop Card	114
3	Course Header Card	115
4	Question (MBO) Descriptor Card	116
5	Student Response Port-a-Punch Card	117
6	Student Response OpScan Form	118
7	Report Content Card	119

LAYOUT 1

Student Background and Enrollment Card

<u>Column Number</u>	<u>Heading</u>
1-25	Student Name
26-34	Social Security Number
35-37	SAT - Math
38-40	SAT - Verbal
41,42	Average
43	Rank
44,45	Elementary Algebra
46,47	Geometry
48,49	Trigonometry
50,51	Intermediate Algebra
52,53	Calculus
54,55	Physics
56-58	I.Q.
59,60	Reading
61-63	Blank
64-75	Comments
76,77	Course
78-80	Student Number

A580-670-114

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

LAYOUT 2

Student Drop Card

<u>Column Number</u>	<u>Heading</u>
1-20	Student Name
21-77	Blank
78-80	Student Number

LAYOUT 3

Course Header Card

<u>Column Number</u>	<u>Heading</u>
2,6,8	Number of Selections
24,26	Number of Questions
42,44	Course Number
48,50	Sequence Number
54,56	Type Number
60,62	Volume Number
66,68	Segment Number
80	Single or Double

A380-670-116

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

LAYOUT 4

Question (MBO) Descriptor Card

<u>Column Numbers</u>	<u>Heading</u>
1,2	Volume Number
3	Segment Number
4,5,6	TO Number
7,8	EO Number
9-42	MBO Description
43,44	Learning Category
48	Type
49,50	Question Number
51	Correct Answer
52-78	Prescription
79,80	Course Number

LAYOUT 5

Port-a-Punch Student Response Card

<u>Column Number</u>	<u>Heading</u>
----------------------	----------------

2,6,8	CSN (Course Student Number)
-------	-----------------------------

	Date
--	------

12,14	Month
-------	-------

18,20	Day
-------	-----

24,26	Year
-------	------

	Completion Time
--	-----------------

30,32	Hours
-------	-------

36,38	Minutes
-------	---------

42,44	Course Number
-------	---------------

48,50	Sequence Number
-------	-----------------

54,56	Type
-------	------

60,62	Volume
-------	--------

66,68	Segment
-------	---------

72,74,76,78,80	Student I.D. Number
----------------	---------------------

Shaded Columns Between Columns of Data	Responses
--	-----------

The students answer to each question is punched in the shaded columns on the card.

A380-670-118

ADVANCED SYSTEMS LABORATORY
AIMS III OPERATOR'S GUIDE

LAYOUT 6

Student Response OpScan Form

DATA CONTENT

Student Name

Date

Social Security Number

Course Number

Completion Time

Volume

Segment

Type

Page Number

The student fills in the answer by marking the appropriate box (multiple choice) with a dark pencil.

LAYOUT 7

Report Content Card

<u>Column Number</u>	<u>Heading</u>
1,2	Specific Report Number Requested
10,11	Segment (Week, Volume, Lesson or Unit Number)
12,13	Highest Segment Number (in above)
14,15	Section Information Number
16-20	Test Type Numbers Referred to in Requested Report
30-42	Course Name

This card follows the Report Number Card in the Request Deck. Some information is not required for every report. In those cases, blanks may be left for non-essential information.

APPENDIX F

Post-Run Procedure

1. All files shall be labeled.
2. A back-up tape shall be made of the Master Response File.
3. All OpScan Response Forms, control decks, and programs shall be given to the Data Control Clerk for check-out and filing.

APPENDIX G

Output Listings and Report Formats

<u>Title</u>	<u>Page</u>
AIMS Course Description	125
AIMS Course Roster	126
AIMS MBO Listing	127
AIMS Question Listing	128
Report No. 1 - Individual Student Performance Analysis	129
Report No. 4 - Histogram	132
Report No. 5 - Course Structure	133
Report No. 6 - Item Analysis	134
Report No. 7 - Group Remedial Instruction	135
Report No. 11 - Volume Submittal Review	140
Report No. 12 - Class Roster	141
Report No. 13 - Group Statistics for Report 14	142
Report No. 14 - Volume Statistics/Individual Statistics for Harvey Pollack's Indices	143
Report No. 15 - Volume Summary	144

JOB 210012 10/06/69 11.34.06
PAGE 1

COURSE	LESSON	SEGMENT	TYPE	CONSISTS OF 1 CARD.	RFCORD	1
21	12 QUESTIONS, EACH OF UP TO 5 ANSWERS.	12 WILL BE GRADED.	THERE ARE 48 POSSIBLE SELECTIONS.			
1	12	1				
2	3	4				
A	A	A	A	A	A	A

COURSE 21	LESSON 1	SEGMENT 1	TYPE 2	CONSISTS OF 1 CARD.	RECORD 2
THERE ARE 16 QUESTIONS. EACH OF UP TO 5 ANSWERS. 16 WILL BE GRADED.	1	1	1	1	1
2	2	3	2	2	2
A	A	A	A	A	A
3	3	4	3	3	3
A	A	A	A	A	A
4	4	5	4	4	4
A	A	A	A	A	A
5	5	6	5	5	5
A	A	A	A	A	A
6	6	7	6	6	6
A	A	A	A	A	A
7	7	8	7	7	7
A	A	A	A	A	A
8	8	9	8	8	8
A	A	A	A	A	A
9	9	10	9	9	9
A	A	A	A	A	A
10	10	11	10	10	10
A	A	A	A	A	A
11	11	12	11	11	11
A	A	A	A	A	A

COURSE 21	LESSON 1	SEGMENT 1	TYPE 4	CONSISTS OF 1 CARD.	RECORD 3
THERE ARE 24 QUESTIONS, EACH OF UP TO 5 ANSWERS.	24 WILL BE GRADED.	8	9	10	11
1	2	3	4	5	6
B	C	D	A	C	A
13	14	15	16	17	18
10	9	8	7	6	5

A380-67
 COURSE 21 LESSON 1
 THERE ARE 24 QUESTIONS, EACH OF UP TO 5 ANSWERS.
 24 WILL BE GRADED.
 CONSISTS OF 1 CARD.
 RECORD 4
 THERE ARE 96 POSSIBLE SELECTIONS.
 12 C
 24 C
 23 C

*** AIMS COURSE ROSTER ***

JOB 210012 PAGE 1

10/06/69 11.32.54

ACAD NUR. NO. CÁP INDX. SÁT HÁTH SÁT VÉB CALC CHEM MATH ACH RANK

COMMENTS CRSF DROP DATE
ENTERED DROPPED

LAWRENCE DAVID E	6962	41	56	607	473	0	0	693	162	0	09/30/69
LINHART R J	5138	42	67	684	610	0	0	730	157	0	09/30/69
LOGUE STEPHEN J	5166	43	70	720	656	0	0	698	157	0	09/30/69
LUNDBLAAD M T	5236	44	60	678	502	0	0	650	160	0	09/30/69
SCHEY STEPHEN L	7602	45	73	741	605	0	0	800	172	0	09/30/69
SECKINGER D N	7749	46	63	659	518	0	0	680	252	0	09/30/69
STEVENS SCOTT H	8344	47	72	732	522	0	0	740	347	0	09/30/69
TEPLY JOHN F	8610	48	64	630	548	0	0	654	347	0	09/30/69
WALLMARK W W	9114	49	74	678	644	0	0	698	440	0	09/30/69
WATWOOD W B	9177	50	65	684	507	0	0	769	157	0	09/30/69
WETTERLIN H J	9303	51	62	605	708	0	0	565	252	0	09/30/69
WORLEY DENNIS L	9611	52	61	614	534	0	0	631	345	0	09/30/69
AKERS CARL W	0056	53	64	704	589	0	0	611	167	0	09/30/69
BALDWIN JAMES L	0329	54	59	627	498	0	0	643	255	0	09/30/69
CAMERON GERALD P	1211	55	56	587	509	0	0	687	160	0	09/30/69
CURTIS ROBERT C	1743	56	67	732	596	0	0	650	162	0	09/30/69
GILL TIMOTHY J	2856	57	67	685	704	0	0	643	160	0	09/30/69
HENRY CHRISTOP R	3633	58	71	694	637	0	0	554	345	0	09/30/69
HINSON LARRY A	3703	59	63	684	603	0	0	596	165	0	09/30/69
HOPPER WILLIAM F	3808	60	64	636	692	0	0	639	162	0	09/30/69
MORNE BENNETT F	3815	61	62	650	547	0	0	693	165	0	09/30/69
JOHNSON GLENN L	4151	62	74	764	690	0	0	690	157	0	09/30/69
KENNEDY T S	4480	63	69	705	534	0	0	753	250	0	09/30/69
KRATOCHVIL O A	4774	64	68	732	548	0	0	736	157	0	09/30/69
KUBO LAWRENCE H	4802	65	74	756	642	0	0	736	180	0	09/30/69
MITANI MICHAEL K	5957	66	58	623	605	0	0	574	170	0	09/30/69
PERREAU LT MARK D	6776	67	69	684	699	0	0	639	250	0	09/30/69
PROULSTONE D R	7392	68	69	704	522	0	0	753	255	0	09/30/69
RUSSOV GEORGE W	7476	69	65	678	551	0	0	610	345	0	09/30/69
SMITH DAVID L	8029	70	83	732	628	0	0	720	640	0	09/30/69
SMITH GARY E	8030	71	54	587	521	0	0	609	162	0	09/30/69
STENDER M G	8323	72	75	742	573	0	0	753	345	0	09/30/69
SZOKA MICHAEL A	8540	73	61	655	562	0	0	661	167	0	09/30/69
TOMLIN EDWIN L	8750	74	75	723	656	0	0	775	250	0	09/30/69
VAUGHN DAVID R	8967	75	54	599	515	0	0	587	165	0	09/30/69
MESSEL KENNETH J	9275	76	64	713	493	0	0	639	250	0	09/30/69
WIGGE CONRAD J	9387	77	68	712	623	0	0	690	162	0	09/30/69
WOOD CHARLES A	9583	78	55	588	582	0	0	574	167	0	09/30/69
APPELATE J M	0161	79	61	614	618	0	0	620	250	0	09/30/69
BEDEE ALBERT F	0448	80	62	655	507	0	0	598	345	0	09/30/69

THERE ARE 182 RECORDS IN THE STUDENT FILE
(IF THESE 182 STUDENTS REMAIN IN THE COURSE)

A380-670-127

*** * AIMS MBO LISTING ***
SCOPE NUMBER 1

LESS SEG TP QST TO EO CORRECT SKL SRL MDTA PCT. VALD STD AVG N HI LOW RESPNSE COUNTERS
 ANSWER 1 2 RITE DEV RT GP MG GP RT GP MG GP RT GP MG GP RT

~~3055 NUMERATORS~~ ~~40-219-67~~ ~~40-221=1-750=205-155~~

30-183-1-27 30-192-1-5750-237-1-1 DENOMINATORS

3043 ORDERING LIKE FRACTIONS 30-186-1-4750-214-1-5

30-187-1-4711-1-2

3078 ORDERING UNLIKE FRACTIONS 11-9-16/40-149-1-5

0445 6045 155-4-1-402-0E 155-4-1175-1-402-0E 8-1-65-0470 1025-1-16-05

E-1-122-04/6-1-452-005
E-2-69-014/4-8-11-000010-CM

9-1-61-812-05 11-2-2-11 87 UNO 11-3-1

A
5-3-11/11=3-6/11=1-2=4/11 11-2=9/11=8/11 50-218=20=1-87

083 ADULT TRADE FRACTIONS 40-219-1-3750-236-1-2

AIMS QUESTION LISTING ***

JOB 210012 10/06/69 11.35.02
PAGE 1

~~LESS SEG TP QST TO EO CORRECT SKL SKL M~~

LESS SEG TIP QST TO EO CORRECT SKL INDIA PCT. VALID STD AVG N HI LOW RESPONSE COUNTERS
RTE 1 2 ANSWER 1 2 RITE

1 1 1 11 12 0 A 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

ANALYZE PROJECTILE MOTION

卷之三

SIUNI SU NUOSGEMO.

卷之三

卷之三

ELECTIONS IN THE UNITED STATES

卷之三

VETERINARIA MANIPULACIONIS

卷之三

FRAMES OF REFERENCE

卷之三

DIMENSIONAL ANALYSIS IS

卷之三

SIS INSTITUCIONAL NACIONAL

卷之三

卷之三

THE JOURNAL OF CLIMATE

THE JOURNAL OF CLIMATE

卷之三

**** A.I.M.S. REPORT GENERATOR **** REPORT NUMBER 1 **** TIME = 19:02:05 DATE = 01/30/70 PAGE NUMBER 1

STUDENT PERFORMANCE ANALYSIS FOR COURSE PHYSICS S211

VOLUME 8 POST TEST SEGMENT 1

CSN	NAME	ID NUMBER	SECTION	GROUP
2	BRUCKER BLAINE R	1029	801	A
QUESTION	ANSWER C/W	BEHAVIORAL OBJECTIVE	MESSAGE	
1	C			
2	C			
3	C			
4	C			
5	H	FRICITION		
6	H	CENTRIPETAL FORCE		
7	C			
8	C	USE ENERGY CONCEPTS IN KINEMATICS		
9	H			
10	C			
11	C			
12	H	1-D, NON-RELATIVISTIC COLLISIONS		
13	H	GRAVITATION		
14	C			
15	H	GRAV. POTENTIAL ENERGY		
16	C			
17	C			
18	H	CALCULATE ELECTRIC FIELD		
19	H	ELECTRIC FIELD/SUPERPOSITION		
20	H	WORK IN ELECTRIC FIELD		
YOUR GRADE IS 61				
YOUR RAW SCORE IS 55.				
YOU MUST SEE YOUR INSTRUCTOR THIS WEEK TO DISCUSS THIS TEST.				

A380-670-129

*** A.I.M.S. REPORT GENERATOR *** REPORT NUMBER 1 **** TIME - 19.02.18 DATE - 01/30/70 PAGE NUMBER 2

STUDENT PERFORMANCE ANALYSIS FOR COURSE PHYSICS S211

VOLUME 8 POST TEST

SEGMENT 1

QUESTION	ANSWER C/M	ID NUMBER 1694	SECTION 801	GROUP A
		BEHAVIORAL OBJECTIVE	MESSAGE	
1	C			
2	C			
3	C			
4	C			
5	W			
6	W	CENTRIPETAL FORCE		
7	C			
8	C			
9	C			
10	C			
11	W			
12	W	1-D, NON-RELATIVISTIC COLLISIONS		
13	C			
14	C			
15	W	GRAV. POTENTIAL ENERGY		
16	C			
17	C			
18	C			
19	C			
20	C			
YOUR GRADE IS	85			
YOUR RAW SCORE IS	85.			
YOU MUST SEE YOUR INSTRUCTOR THIS WEEK TO DISCUSS THIS TEST.				

***** A.I.M.S. REPORT GENERATOR **** REPORT NUMBER.. L **** TIME - 19.02.21 DATE - 01/30/70 PAGE NUMBER 3

STUDENT PERFORMANCE ANALYSIS FOR COURSE PHYSICS S211

VOLUME 8 POST TEST

SEGMENT 1

CSN NAME ID NUMBER
6 DANCÓ THOMAS R 1799

QUESTION ANSWER C/W BEHAVIORAL OBJECTIVE

MESSAGE

GROUP
A

1	C	
2	C	
3	C	
4	C	
5	W	FRICITION
6	W	CENTRIPETAL FORCE
7	W	WORK DONE BY A CONSTANT FORCE
8	W	POWER
9	C	
10	C	
11	C	
12	W	1-D, NON-RELATIVISTIC COLLISIONS
13	C	
14	W	GRAVITATIONAL FIELD
15	W	GRAV. POTENTIAL ENERGY
16	C	
17	C	
18	W	CALCULATE ELECTRIC FIELD
19	W	ELECTRIC FIELD/SUPERPOSITION
20	W	WORK IN ELECTRIC FIELD

YOUR GRADE IS 67

YOUR RAW SCORE IS 50.

YOU MUST SEE YOUR INSTRUCTOR THIS WEEK TO DISCUSS THIS TEST.

A380-670-131

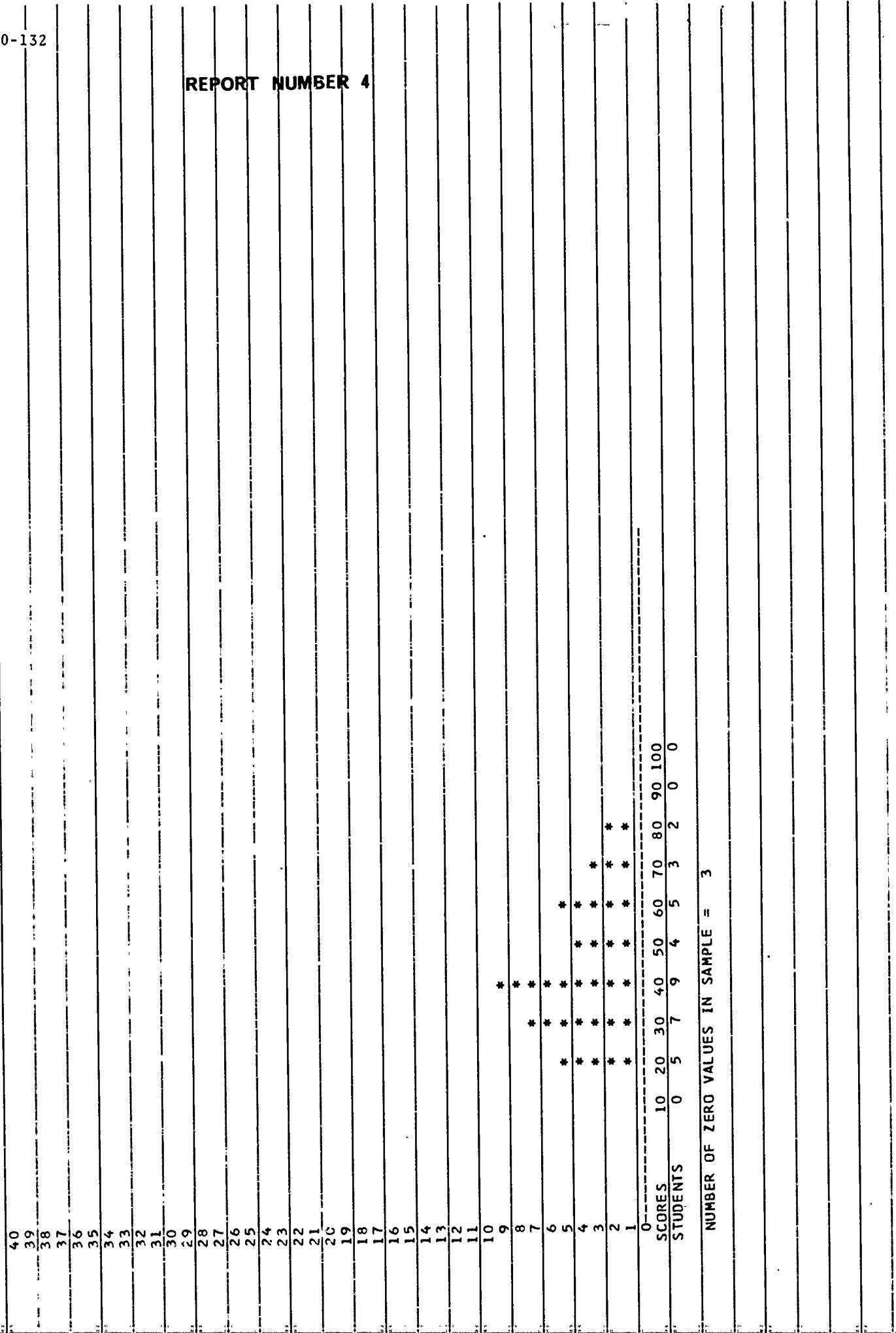
A380-670-132

AIMS HISTOGRAM ANALYSIS FOR TEST COURSE

VOLUME, 1 TYPE, 2

SEGMENT, 1

REPORT NUMBER 4



NUMBER OF ZERO VALUES IN SAMPLE = 3

*** A.T.M.S. REPORT GENERATOR ***

REPORT NUMBER 5 *** TIME - 222222 DATE - 22/22/22 PAGE NUMBER 1

COURSE STRUCTURE SUMMARY

COURSE NO. 32 COURSE NAME PHYSICS S211

VOLUME	SEGMENT	TYPE	QUESTION	TO EO	DESCRIPTION	PRESCRIPTION	ANSWER
1	1	2	1	21	3045 G.C.F.	30-203-1-5/11-3-5/	50-91-1,2,5,7,8/4-0-59-1-8
1	1	2	2	21	3066 L.C.M.	11-8-14/4-0-69-2-3/	50-254-1-9/40-221-1-3
1	1	2	3	11	3055 NUMERATORS	40-219-1-6/	40-221-1-3/50-205-1-5
1	1	2	4	11	3056 DENOMINATORS	30-193-1-2/	30-192-1-5/50-237-1-3
1	1	2	5	12	3043 ORDERING LIKE FRACTIONS	30-186-1-4/50-214-1-5	D
1	1	2	6	12	3078 ORDERING UNLIKE FRACTIONS	11-9-16/40-149-1-5	C
1	1	2	7	12	3044 ORDERING LIKE FRACTIONS	30-187-1-4/11-1-2	A
1	1	2	8	21	3048 MULTIPLY BY ONE	50-218-1-9-1-6	C
1	1	2	9	21	17 LOWEST TERMS	50-218-20-1-6/11-4/11-3-6/11-3-5	C
1	1	2	10	22	3083 ADD LIKE FRACTIONS	40-219-1-3/50-236-1-2	E
2	1	2	1	21	3045 G.C.F.	11-3-6/50-87-1-3	D
2	1	2	2	21	3066 L.C.M.	50-253-1-11/	C
2	1	2	3	22	3083 ADDING LIKE FRACTIONS	50-237-1-3/30-201-1-4	A
2	1	2	4	12	3078 ORDERING UNLIKE FRACTIONS	11-9-16/50-215-1-4	C
2	1	2	5	12	3043 ORDERING LIKE FRACTIONS	30-193-1-7/50-210-1-4	B
2	1	2	6	12	3044 ORDERING LIKE FRACTIONS	11-1-2/30-186-7-1-4	E
2	1	2	7	21	3048 MULTIPLY BY ONE	50-221-1-6/40-151-1-2/40-152-1-2	A
2	1	2	8	21	3051 FACTOR NUM. AND DENOM.	11-3-5/50-241-1-6	D
2	1	2	9	11	3055 NUMFRATOR	50-203-2/	B
2	1	2	10	11	3056 DENOMINATOR	50-205-2-5/	5
3	1	2	1	21	3070 L.C.Q.	30-206-7-1-6/	D
3	1	2	2	21	3093 EQUIVALENT FRACTION	11-2-4/40-217-1-4/30-203-1-5	C
3	1	2	3	22	3088 ADDITION OF UNIT FRACTIONS	40-235-1-2/30-1-4	A
3	1	2	4	22	3082 ADD. UNIT. AND COMMON FRACTIONS	30-207-4-6/20-8-2-1-7	B
3	1	2	5	22	3083 ADDITION OF COMMON FRACTIONS	50-250-1-2/400-221-1-5	D
3	1	2	6	22	3084 ADDITION OF COMMON FRACTIONS	40-224-1-6/50-229-1-5	A
3	1	2	7	22	3089 50-221-1-6/11-3-6/40-217-1-4/11-3-5	C	
3	1	2	8	12	3080 ORDERING IMPROPER FRACTIONS	11-4-7/30-204-1/11-9-12	B
3	1	2	9	23	3085 CHANGE IMPROP. FRACT. TO MIXED	50-239-1-5/40-224-1-6	A
3	1	2	10	23	3081 EQUIV. IMPROP. FRACT. & MIXED	30-204-1-5/40-147-4-8	D
4	1	2	1	21	3093 EQUIVALENT FRACTIONS	30-185-1-6/11-2-4/11-2-3	B
4	1	2	2	21	3070 L.C.D.	30-184-1-3/11-8-15/	C
4	1	2	3	22	3082 ADD. UNIT FRACT. & COMMON FRACT.	60-248-1/30-201-1-4	E
4	1	2	4	22	3088 ADDITION OF UNIT FRACTIONS	50-236-1-3/40-219-1-3	C
4	1	2	5	22	3083 ADDING COMMON FRACTIONS	50-424-2/50-423-3-4	A
4	1	2	6	22	3089 SIMPLEST FORM	30-188-1-6/11-3-5/11-3-6	D
4	1	2	7	22	3084 ADDING COMMON FRACTIONS	50-240-2-5/30-202-1-5	B
4	1	2	8	12	3090 ORDERING IMPROPER FRACTIONS	60-243-1-8/11-4-7	D
4	1	2	9	23	3085 CHANGE IMPROP. FRACT. TO MIXED	50-240-1-4/50-238-1-4	D
4	1	2	10	3	3081 EQUIVALENT VALUES	50-240-2-5/50-238-1-4	A

END OF PROCESSING

A380-670-133

**** A.I.M.S. REPORT GENERATOR *** REPORT NUMBER 6 *** TIME - 777777 DATE - 777777 PAGE NUMBER 1

AIMS ITEM ANALYSIS

VOLUME, 2 TYPE, POST TEST

NUMBER OF SELECTIONS PER QUESTION, 5

SEGMENT, 1

NUMBER OF TIMES EACH ANSWER CHOSEN

QUEST NUMBER	A	B	C	D	E	F	G	H	I	J	TOTAL ANSWERS
1	1	3	3	57*	2	0	0	0	0	0	66
2	43	9	9*	0	5	0	0	0	0	0	66
3	57*	4	0	1	2	0	0	0	0	0	64
4	2	13	43*	6	0	0	0	0	0	0	64
5	8	45*	4	5	4	0	0	0	0	0	66
6	2	3	3	3	55*	0	0	0	0	0	66
7	54*	7	2	2	1	0	0	0	0	0	66
8	1	0	2	59*	4	0	0	0	0	0	66
9	3	53*	3	3	4	0	0	0	0	0	66
10	1	3	0	60*	1	0	0	0	0	0	65
TOTAL SELECTIONS	172	140	69	196	78	0	0	0	0	0	655

NUMBER OF WORKS PROCESSED, 67

NUMBER OF MULTIPLE SELECTIONS, 0
NUMBER OF BLANK SELECTIONS, 15

*** A.I.M.S. REPORT GENERATOR *** REPORT NUMBER 7 **** TIME - 14:47:07 DATE - 04/28/70 PAGE NUMBER 1

TERMINAL OBJECTIVE THRESHOLD LEVEL SUMMARY

TERMINAL OBJECTIVE THRESHOLD LEVEL

1	33
2	33
3	33
4	33
5	33
6	33
7	33
8	33
9	33
10	33
11	33
12	33
13	33
21	33
22	33
23	33
24	33
31	33
32	33
33	33
34	33
35	33
41	33
42	33
43	33
44	33
51	33
52	33
53	33

REPORT NUMBER 7 SECTION 1

A380-670-135

*** A.I.M.S. REPORT GENERATOR *** REPORT NUMBER 7 *** TIME - 14.47.57 DATE - 04/28/70 PAGE NUMBER 2

LUCAS,AMES,IRA,JR. I.D. NUMBER 577685690
THE STUDENT IDENTIFIED ABOVE HAS PERFORMED BELOW PRE-SET LEVELS OF PERFORMANCE ON TERMINAL OBJECTIVE(S) IN LESSON 1

-- PERFORMANCE DATA --
T.O. PERCENT ERR CUTOFF LEVEL

21	8	33
22	8	33
33	14	33
41	10	33
43	8	33
51	27	33
52	50	33

REPORT NUMBER 7 SECTION 2

***** A.I.M.S. REPORT GENERATOR **** REPORT NUMBER 7 **** TIME - 14.48.11 DATE - 04/28/70 PAGE NUMBER 3

REPORT NUMBER 7 SECTION 3

TERMINAL OBJECTIVE REMEDIAL SUMMARY

LESSON 1 TERMINAL OBJECTIVE 52 COMPOSED OF 4 QUESTIONS.

A TOTAL OF 1 STUDENTS PERFORMED BELOW THE CUTOFF LEVEL SET AT 33

THE FOLLOWING STUDENTS HAVE PERFORMED BELOW THE CUTOFF LEVEL-

NAME OF STUDENT	I.D. NO.	PERCENT ERROR
LUCAS JAMES TRA JR.	577695690	50

A380-670-157

A380-670-138

*** A.I.M.S. REPORT GENERATOR *** REPORT NUMBER 1 *** TIME - 14.48.29 DATE - 04/28/70 PAGE NUMBER 1

REMEDIAL SESSION - LESSON PLAN - LESSON 1

SESSION 1	PROF. AND/OR LOCATION	PROFESSOR SMITH	ROOM 100
TERMINAL OBJECTIVE	CUTOFF LEVEL	NO. OF STUDENTS	

52	33	1
----	----	---

REPORT NUMBER 7 SECTION 4

*** A.I.M.S. REPORT GENERATOR *** REPORT NUMBER 7 **** TIME - 14.48.45 DATE - 04/28/70 PAGE NUMBER 1

REMEDIAL SESSION ROSTER

LESSON 1

SESSION 1

PROF AND/OR LOCATION- PROFESSOR SMITH - ROOM 100

TERMINAL OBJECTIVES

TERMINAL OBJECTIVE NUMBERS- 5?

THRESHOLD LEVELS SET AT - 33

THE FOLLOWING STUDENTS HAVE BEEN ASSIGNED TO THIS REMEDIAL SESSION

STUDENT NAME	NUMBER	PERCENTAGE ERROR ON THE ABOVE TERMINAL OBJECTIVES
AS JAMES IRA JR.	23	50

END OF AIMS OUTPUT GENERATOR

A380-670-139

PAGE NUMBER 1

***** REPAIR GENERATOR ***** REPORT NUMBER 11 **** TIME - 14.35.22 DATE - 04/28/70

*** VOLUME SUBMITTAL REVIEW ***

COURSE, PHYSICS S211 VOLUME NO. 12

NOTE: N/S = SIGNIFIES THAT STUDENT DID NOT SUBMIT MATERIALS FOR PROCESSING
 SUB. = SIGNIFIES THAT STUDENT DID SUBMIT MATERIALS FOR PROCESSING

STUDENT	CSN	PREF. TEST	STUDY GDE(1)	STUDY GDE(2)	STUDY GDE(3)	STUDY GDE(4)	ASSIGN	HOME WORK	POST TEST
	1	STUDENT DROPPED	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	2	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	N/S
REPORT NUMBER 11									
BARBITT JAMES C	3	STUDENT DROPPED	N/S	N/S	N/S	N/S	N/S	N/S	N/S
BRUCKER BLAINE R	4	STUDENT DROPPED	N/S	N/S	N/S	N/S	N/S	N/S	N/S
CHAMBLISS K V	5	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
CLIFFORD JOHN D	6	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
CROOK KEVIN P	7	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
DAVCO THOMAS R									
DEESEH DANNY L									
DIX STEPHEN D	8	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
ENGELUND R T	9	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
GALLI WILLIAM F	10	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
JOHNSON LARRY C	11	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
KING MANTON A	12	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
MEYER JOHN G	13	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
MITCHELL R L	14	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
NEUPAVER A J	15	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
N'LSEN JACK S	16	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
PERRY GORDON C	17	STUDENT DROPPED	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
PESKE JOHN G	18	SUB.	SUB.	SUB.	SUB.	SUB.	N/S	N/S	SUB.
PORTERFIELD K A	19	N/S	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
PUTTSCHMIDT R C	20	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
PRINCE THOS ALAN	21	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
SCHUBERT JERRY L	22	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	N/S
SILVESTRI M J	23	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
SMITH EARL W	24	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
VANORSDEL R R	25	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
WATERSTON JOHN A	26	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
ACCURSI LEJ L	27	SUB.	SUB.	SUB.	SUB.	SUB.	N/S	N/S	SUB.
ADAMS GEORGE F	28	SUB.	SUB.	SUB.	N/S	N/S	N/S	N/S	SUB.
BISHOP PHILLIP A	29	SUB.	SUB.	SUB.	N/S	N/S	N/S	N/S	SUB.
CARRIER GUY J	30	SUB.	SUB.	SUB.	N/S	N/S	N/S	N/S	SUB.
CHRISTENSEN S D	31	SUB.	SUB.	SUB.	N/S	N/S	N/S	N/S	SUB.
DARTING RAYPH E	32	SUB.	SUB.	SUB.	N/S	N/S	N/S	N/S	SUB.
DREELAND W A	33	STUDENT DROPPED	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
DREWS ROBERT A	34	SUB.	SUB.	SUB.	SUB.	SUB.	N/S	N/S	N/S
CLICK DEAN F	35	SUB.	SUB.	SUB.	SUB.	SUB.	N/S	N/S	SUB.
HARBIN BRADLEY	36	SUB.	SUB.	N/S	N/S	N/S	N/S	N/S	SUB.
HOSSETTER D R	37	SUB.	SUB.	N/S	N/S	N/S	N/S	N/S	SUB.
HOWARD GEORGE R	38	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
KINDEL GEORGE F	39	SUB.	N/S	N/S	N/S	N/S	N/S	N/S	SUB.
LASKEN JOHN C	40	SUB.	SUB.	SUB.	SUB.	SUB.	N/S	N/S	SUB.
LAWRENCE DAVID E	41	SUB.	SUB.	SUB.	SUB.	SUB.	N/S	N/S	SUB.
L HART R J	42	SUB.	SUB.	SUB.	SUB.	SUB.	N/S	N/S	SUB.
LOGUE STEPHEN J	43	SUB.	SUB.	SUB.	N/S	N/S	N/S	N/S	SUB.
MONDOLAD M T	44	SUB.	SUB.	SUB.	SUB.	SUB.	N/S	N/S	SUB.
SCHHEY STEPHEN L	45	SUB.	SUB.	SUB.	SUB.	SUB.	N/S	N/S	SUB.

CLASS ROSTER ***
REPORT NUMBER 12 *** TIME - 14.39.44 DATE - 04/28/70 PAGE NUMBER 1

*** CLASS ROSTER ***
COURSE, PHYSICS S211

STUDENT	ACADEMY NO.	COURSE STD. NO.
BABBITT JAMES C	0266	1
BRUCKER BLAINF R	1029	2
CHAMBLISS K V	1358	3
CLIFFORD JOHN D	1449	4
CROOK KEVIN P	1694	5
DANCO THOMAS R	1799	6
DEESCH DANNY L	1932	7
DIX STEPHEN D	2079	8
ENGELUND R T	2380	9
GALLI WILLIAM F	2702	10
JOHNSON LARRY C	4165	11
KING MANTON A	4571	12
MEYER JOHN C	5796	13
MICHELL R L	5964	14
NEUPAVER A J	6356	15
NIELSEN JACK S	6412	16
PERRY GORDON C	6797	17
PESKE JOHN G	6811	18
STERFIELD R B	6937	19
FISCHMIDT R C	6958	20
PRINCE THOMAS ALAN	7014	21
SCHUBERT JERRY L	7700	22
STEVESTROM J	7945	23
SMITH EARL M	8036	24
VANORDSDALE R R	8939	25
WILKERSON JOHN A	9401	26
ACCURST LEON	0007	27
ADAMS GEORGE F	0042	28
BTSHOP PHILLIP A	0588	29
CARRIER GUY J	1281	30
CHRISTENSEN S D	1393	31
DARLING RALPH E	1806	32
DREELAND W A	2163	33
DREWS ROBERT A	2170	34
GLICK DEAN T	2926	35
HARBIN KRADLEY	3416	36
HODSETTER D R	3843	37
HOWARD GEORGE R	3871	38
KINDEL GEORGE F	4550	39
LASKEN JOHN C	4928	40
LAWRENCE DAVID E	4942	41
LINHART R J	5138	42
LOGUE STEPHEN J	5166	43
LUNDBLAD M T	5236	44
HEY STEPHEN L	7602	45
SECKINGER D N	7749	46
STEVENS SCOTT H	8344	47
TEPLY JOHN F	8610	48

A380-670-141

*** A.I.M.S. REPORT GENERATOR *** REPORT NUMBER 13 *** TIME .. 12.01.34 DATE - 04/07/70 PAGE NUMBER 1

REPORT NUMBER 13

*** VOLUME STATISTICS ***

COURSE, PHYSICS 4001 VOLUME NO. 2

	MINIMUM	MEAN	MAXIMUM
CAPABILITY INDEX	47	65	106
PERFORMANCE INDEX	70	78	85
PERFORMANCE DEVIATION		13	
PROBLEM ACHIEVEMENT	18	31	45
POST TEST ACHIEVEMENT	30	54	70
NET ACHIEVEMENT INDEX		55	
ACHIEVEMENT DEVIATION		-10	

**** A.I.M.S. REPORT GENERATOR **** REPORT NUMBER 14 **** TIME - 12.01.36

DATE - 06/07/70 PAGE NUMBER 1

*** INDIVIDUAL VOLUME STATISTICS ***

COURSE, PHYSICS 4001 VOLUME ND.

VOLUME ND.

STUDENT	CSN	CAPB. INDEX	PERF. INDEX	ABS. DEV.	REL. DEV.	POST TEST	NET ACH.	ABS. ACH.	REL. ACH.	CH. AV. PROB.	CH. AV. PT.TS.	CH. AV. NET	CH. AV. REL.
ALVES STERLING	1	47.	23.	10.	34.	30.	52.	5.	15.	34.	30.	52.	15.
DAVIES DAVID T	2	70.	23.	10.	34.	30.	52.	5.	15.	34.	30.	52.	15.
FARAGO STEVEN	3	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											
FISKE JR EUGENE S	4	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											
FOSTER FITZ	5	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											
GIM HENRY	6	64.	79.	15.	2.	45.	60.	62.	-2.	8.	45.	60.	62.
GOLDSTEIN FREDERIC K	7	63.	85.	22.	9.	24.	40.	54.	-9.	1.	24.	40.	54.
LEWIS DAVID	8	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											
MORRISON JOHN D	9	53.	82.	29.	16.	37.	70.	59.	6.	16.	37.	70.	59.
OGLUNSHIKAAN AMBROSE	10	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											
PARKER LAWRENCE	11	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											
REID ANTHONY	12	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											
SHOREY ARTHUR P	13	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											
SMITH ROBERT S	14	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											
STANZIALE ROBERT	15	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											
STANZIALE JOHN H	16	76.	78.	2.	-11.	25.	50.	51.	-25.	-15.	34.	55.	57.
STEFANIA GABRIEL	17	51.	75.	24.	11.	18.	60.	46.	-5.	5.	18.	60.	46.
ARGO CHARLES	18	106.	82.	-24.	-37.	40.	70.	61.	-45.	-35.	42.	65.	64.
ROSEN MARK C	19	THIS STUDENT HAS INSUFFICIENT MATERIALS TO BE PROCESSED											

A380-670-143

*** REPORT GENERATOR ***

REPORT NUMBER 15 **** TIME - ZZZZZZ DATE - ZZZZZZ PAGE NUMBER 1

*** VOLUME SUMMARY ***

COURSE, 3 2) 1 VOLUME NO. 2
THE ** SIGNIFIES THAT MATERIALS HAVE BEEN SUBMITTED FOR PROCESSING

STUDENT	CSN	PRE-TEST	STUDY GDE(1)	STUDY GDE(2)	STUDY GDE(3)	STUDY GDE(4)	STUDY GDE(5)	ASSIGN	HOME WORK	POST TEST	PERF. INDEX	CUM. AVE.	CAPL. INDEX
ASKINS ANASTASIA	1	10.	76.	99.	74.	0.	0.	0.***	0.***	0.***	49.	41.	170.
AWKWARD VALERIE	2	30.	98.	98.	98.	0.	0.	0.***	0.***	0.***	58.	36.	146.
BARBOUR GLENN	3	16.	93.	97.	91.	0.	0.	0.***	0.***	0.***	56.	42.	139.
BROWN NANCY	4	17.	95.	85.	100.	0.	0.	0.***	0.***	0.***	10.	56.	141.
CAMPER REGINALD LEE	5	7.	63.	30.	80.	0.	0.	0.***	0.***	0.***	60.	34.	132.
CANNON LORETTA CAROLYN	6	1.	44.	82.	82.	0.	0.	0.***	0.***	0.***	60.	49.	143.
DEVILLE VIVIAN MADELINE	7	1.	1.**	0.***	54.	0.***	0.***	0.***	0.***	0.***	40.	54.	21.
EOPPS CRYSTAL	8	0.	33.	1.**	0.***	0.***	0.***	0.***	0.***	0.***	40.	0.	47.
FOUNTAIN WAYNE DOUGLAS	9	0.	22.	85.	98.	0.	0.	0.***	0.***	0.***	60.	55.	142.
GRAY GARY XAVIER	10	0.	16.	92.	89.	0.	0.	0.***	0.***	0.***	30.	53.	32.
GREEN INDYNA DENEASE	11	0.**	33.	95.	93.	0.	0.	0.***	0.***	0.***	55.	60.	48.
GREEN JAMES ARTHUR JR.	12	---	THIS STUDY DOES NOT HAVE ANY MATERIALS TO BE PROCESSED	---	---	---	---	---	---	---	---	54.	144.
GREEN LONNIE JR.	13	0.**	10.	99.	99.	0.**	0.	0.***	0.***	0.***	40.	74.	35.
HARRISON ANGELA DEBORA	14	0.	89.	70.	99.	0.	0.	0.***	0.***	0.***	40.	55.	36.
HUDSON CURTIS BENJAMIN	15	20.	89.	0.**	94.	0.**	0.***	0.***	0.***	0.***	28.	70.	20.
JACKSON CARL CEVIS	16	0.**	0.**	86.	91.	0.	0.	0.***	0.***	0.***	30.	42.	37.
JETER LINDA DEBORAH	17	0.**	0.**	83.	88.	0.	0.	0.***	0.***	0.***	60.	42.	53.
JOHNSON JAMES LLOYD	18	0.**	94.	81.	0.**	0.	0.	0.***	0.***	0.***	10.	42.	180.
JONES ANTHONY GARY	19	0.**	0.**	0.**	0.**	0.	0.	0.***	0.***	0.***	20.	10.	43.
JONES BARBARA MAE	20	40.	0.**	0.**	100.	0.	0.	0.***	0.***	0.***	20.	0.	27.
KINARD FANNIE ISABELLE	21	0.**	0.9.	71.	42.	0.	0.	0.***	0.***	0.***	20.	33.	28.
LEE MURIFLC ARDENIA	22	20.	0.**	15.	0.**	0.	0.	0.***	0.***	0.***	60.	5.	128.
LUCAS JAMES IRA JR.	23	40.	0.**	0.**	0.**	0.	0.	0.***	0.***	0.***	20.	0.	77.
MANDY PATRICIA ANN	24	60.	100.	0.**	97.	0.	0.	0.***	0.***	0.***	30.	42.	210.
MCDANIEL STEPHEN LEROY	25	40.	76.	0.**	78.	0.	0.	0.***	0.***	0.***	10.	42.	180.
NICHOLS VIOLET TOELLA	26	10.	97.	76.	70.	0.	0.	0.***	0.***	0.***	20.	16.	121.
PINKETT GREGORY WAYNE	27	0.**	0.**	50.	0.	0.	0.	0.***	0.***	0.***	50.	0.	27.
POPE WANDA LEIGH	28	0.**	0.**	0.**	47.	0.	0.	0.***	0.***	0.***	20.	0.	138.
PURVIANCE MAYBELLE G.	29	0.**	0.**	0.**	0.**	0.	0.	0.***	0.***	0.***	30.	26.	133.
RICE MARY	30	30.	87.	95.	85.	0.	0.	0.***	0.***	0.***	80.	49.	37.
SMITH DIANE	31	20.	100.	10.	0.**	0.	0.	0.***	0.***	0.***	10.	51.	27.
SMITH RETTA	32	10.	63.	54.	83.	0.	0.	0.***	0.***	0.***	30.	47.	43.
SOUTHERLAND TERESA	33	20.	77.	65.	81.	0.	0.	0.***	0.***	0.***	16.	41.	125.
WATKINS VERNAL	34	40.	98.	87.	89.	0.	0.	0.***	0.***	0.***	60.	44.	148.
WEST TERRENCE	35	0.**	83.	74.	86.	0.	0.	0.***	0.***	0.***	50.	53.	125.
WILL'S EVANGELINE	36	10.	0.**	80.	76.	0.	0.	0.***	0.***	0.***	37.	20.	151.
WOODLAND CECILIA	37	40.	74.	75.	97.	0.	0.	0.***	0.***	0.***	40.	39.	118.
WILLIAMS LORRATTE	38	0.**	83.	90.	83.	0.	0.	0.***	0.***	0.***	60.	51.	34.
												58.	141.

REPORT NUMBER 15

VOLUME NO. 2

SUBMITTED FOR PROCESSING

15